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Kuipers & Associates, LLC

Date: February 23, 2009

To: Anaconda Deer Lodge County

From: Kuipers & Associates

Subject: **Ambient Air Quality Monitoring
Opportunity and Warm Springs Sites
January 2009 Monthly Report**

This January 2009 report documents the ambient air quality monitoring program conducted by Kuipers & Associates on behalf of Anaconda Deer Lodge County at the Opportunity and Warm Springs locations adjacent to the Atlantic Richfield Lower Waste Management Area. Total Suspended Particulate (TSP) is monitored at Opportunity, and PM10 at Warm Springs. Additionally, wind speed, wind direction, temperature and relative humidity are monitored at both sites.

Pyrex dishes have been in place since August 15, 2008 at both sites to capture settling dust. The dust is being collected onto filters using a personal sampling pump, in conjunction with twice-weekly site visits. The second set of preliminary results was obtained in early February:

- At the Opportunity site, the arsenic concentration in the dust was 225 mg/kg, and the lead concentration was 197 mg/kg based on sample collection from October 2 – November 28, 2008 (57 days). These results are of the same magnitude as (though somewhat higher than) the airborne concentrations reported by the Atlantic Richfield South (Opportunity) samplers during the first three calendar quarters of 2008. The amount of dust collected was very small, and probably not representative of the entire mass of dust that actually settled in the dish over the data collection period. It is likely that portions of the settled dust were blown out of the dish in between data collection events.
- At the Warm Springs site, the concentrations were 56.1 mg/kg for arsenic, and 77.6 mg/kg for lead based on sample collection from October 2 – November 28, 2008 (57 days). The amount of dust collected at Warm Springs was also very small, and the same qualifying remarks apply as for Opportunity.

Additional sampling using dustfall jars was implemented on October 17, 2008. The first set of preliminary results was received in late December 2008, and the second set in early February 2009. They are not reported herein due to poor resolution for the particulate weights. Also, the isopropyl alcohol used to prevent freezing was found to contain measurable amounts of arsenic and zinc, introducing additional uncertainty for those elements. The laboratory procedure has been modified to improve the particulate weight resolution, and alternatives to the isopropyl alcohol currently in use are being investigated.

All data, discussion and conclusions provided in this report are preliminary and will undergo a complete quality assurance review prior to issuance of final results in quarterly and annual reports in accordance with the project Sampling and Analysis Plan. Results for the month are summarized as follows:

- Hourly average data were collected continuously by the monitors from January 1st through January 31st, with 98.9% availability for TSP at the Opportunity location and 99.2% availability for PM10 at the Warm Springs location.
 - Downtime at the Opportunity location occurred on January 1 at 17:00 MST, on January 16 at 15:00 MST, on January 23 at 15:00 MST, and on January 26 at 17:00 MST for monthly calibration checks and routine maintenance. Additional downtime occurred on January 2 at 12:00 MST, 15:00 MST, 16:00 MST, and 17:00 MST because of power failures.
 - Downtime at the Warm Springs location occurred on January 1 at 16:00 MST and on January 16 at 13:00 MST for monthly calibration checks and routine maintenance. Additional downtime occurred on January 2 from 12:00 MST through 15:00 MST because of power failures.
- The hourly average data record for the month is attached. Current data is available for real-time electronic download on demand, and public viewing at:
<http://ka.airsis.com/vision/login.aspx?ReturnUrl=%2fvision%2fDefault.aspx> (Username = ADLC, Password = OCPA).
- At the Opportunity location the maximum TSP reading for the period on a daily average basis was 27 $\mu\text{g}/\text{m}^3$, and the average monthly concentration for January was 9 $\mu\text{g}/\text{m}^3$. The maximum reading for the period on an hourly average basis was 125 $\mu\text{g}/\text{m}^3$. This value was associated with moderate west-northwesterly winds. The four highest daily and hourly maximum values are summarized in Table 1, and the average daily data for the month is attached together with meteorological information in Table 3.
- At the Warm Springs location the maximum PM10 reading for the period on a daily average basis was 32 $\mu\text{g}/\text{m}^3$, and the average monthly concentration for January was 4 $\mu\text{g}/\text{m}^3$. The maximum reading for the period on an hourly average basis was 216 $\mu\text{g}/\text{m}^3$. This value was associated with light northerly winds. The four highest daily and hourly maximum values are summarized in Table 2, and the average daily data for the month is attached together with meteorological information in Table 4.

Table 1
Opportunity Site TSP Maximum Data, January 2009

Maximum	TSP ($\mu\text{g}/\text{m}^3$)	Date & Time (MST)	Wind Speed (mph)	Wind Direction (deg)
Daily 1st Max	27	1/19/2009	1.7	263
Daily 2nd Max	24	1/20/2009	2.6	259
Daily 3rd Max	24	1/21/2009	2.7	61
Daily 4th Max	21	1/22/2009	4.1	64
Hourly 1st Max	125	1/29/2009 16:00	9.8	301
Hourly 2nd Max	119	1/19/2009 13:00	2.5	19
Hourly 3rd Max	115	1/22/2009 09:00	2.2	136
Hourly 4th Max	105	1/22/2009 08:00	2.2	360

Table 2
Warm Springs Site PM10 Maximum Data, January 2009

Maximum	PM10 ($\mu\text{g}/\text{m}^3$)	Date & Time (MST)	Wind Speed (mph)	Wind Direction (deg)
Daily 1st Max	32	1/24/2009	2.2	12
Daily 2nd Max	14	1/25/2009	2.9	17
Daily 3rd Max	14	1/20/2009	1.5	14
Daily 4th Max	13	1/21/2009	1.7	4
Hourly 1st Max	216	1/24/2009 23:00	3.6	13
Hourly 2nd Max	120	1/31/2009 03:00	17.4	212
Hourly 3rd Max	107	1/25/2009 00:00	3.6	19
Hourly 4th Max	102	1/24/2009 21:00	3.1	16

- There are no Montana or Federal air quality standards for TSP; both were replaced by the current PM10 standard in 1987. Prior to 1987 the Montana annual TSP standard was $75 \mu\text{g}/\text{m}^3$, the 24-hour standard was $200 \mu\text{g}/\text{m}^3$ and there was no hourly standard. TSP results for January at Opportunity were below these historical standards. Monitoring for PM10 from May 2007 through June of 2008 showed that PM10 concentrations were consistently below regulatory levels. To facilitate comparison with previously collected PM10 data, the TSP data are being reported at Local temperature and pressure conditions.
- At the Warm Springs monitoring site daily average PM10 results for the month of January were well below the 24-hour Montana Ambient Air Quality Standard of $150 \mu\text{g}/\text{m}^3$. The average monthly concentration was below the annual PM10 standard of $50 \mu\text{g}/\text{m}^3$. There currently is no State or Federal standard for hourly PM10 data.
- Precipitation for the month was below average according to Butte airport records.
- Wind roses are attached to graphically depict prevailing winds.
 - Figure 1 shows the Opportunity location, where the predominant wind directions in January were from the southwest quadrant. West-northwest winds were also common.
 - Figure 2 shows the Warm Springs location, where the predominant wind directions were southerly. Northerly winds were also common.

- If a dust storm event or nuisance dust in general is observed, please contact us so that we may respond, and try to quantify and document the problem. We are available seven days per week 24 hours per day and ask that you contact the following (in order) until someone is notified.

Dust Event Contacts:

Steve Heck	498-4199
David Dobrinien	490-9205
Jim Kuipers	782-3441, then 459-0445
Sarah Zuzulock	585-9932, then 581-1355

Table 3
Opportunity Site Daily Average Data

Date	TSP Daily ($\mu\text{g}/\text{m}^3$)	Wind Speed Daily (meters per second)	Wind Speed Daily (miles per hour)	Wind Direction Daily (degrees true)	Air Temperature Daily (Celsius)	Air Temperature Daily (Fahrenheit)	Relative Humidity Daily (percent)
January 1, 2009	1	1.9	4.2	212	-2.1	28.3	72
January 2, 2009	5	3.1	6.8	265	-0.2	31.6	71
January 3, 2009	0	2.3	5.2	268	-11.0	12.3	48
January 4, 2009	0	2.7	6.0	177	-12.0	10.4	51
January 5, 2009	9	3.7	8.2	218	-3.1	26.4	59
January 6, 2009	-1	2.7	6.0	245	1.1	34.0	64
January 7, 2009	-2	3.8	8.5	233	5.1	41.2	70
January 8, 2009	0	3.9	8.7	238	4.1	39.4	67
January 9, 2009	0	3.4	7.6	262	0.7	33.3	56
January 10, 2009	1	4.1	9.1	247	1.2	34.1	57
January 11, 2009	0	2.5	5.5	278	3.1	37.6	63
January 12, 2009	2	2.5	5.6	302	2.6	36.7	61
January 13, 2009	4	4.1	9.1	283	5.6	42.1	43
January 14, 2009	7	1.9	4.2	359	2.7	36.9	58
January 15, 2009	13	1.2	2.7	237	1.4	34.6	72
January 16, 2009	6	1.6	3.5	193	-0.3	31.5	69
January 17, 2009	9	1.1	2.4	177	-3.2	26.2	70
January 18, 2009	14	0.9	2.0	210	-5.4	22.2	73
January 19, 2009	27	0.7	1.7	263	-6.4	20.5	74
January 20, 2009	24	1.2	2.6	259	-5.1	22.8	66
January 21, 2009	24	1.2	2.7	61	-3.5	25.6	64
January 22, 2009	21	1.8	4.1	64	-0.4	31.2	64
January 23, 2009	19	1.5	3.2	15	-12.4	9.7	72
January 24, 2009	20	1.4	3.2	9	-11.9	10.6	75
January 25, 2009	10	1.6	3.6	8	-18.8	-1.9	65
January 26, 2009	6	1.1	2.5	180	-21.7	-7.0	56
January 27, 2009	14	3.6	8.0	205	-11.6	11.1	56
January 28, 2009	9	3.1	6.9	289	-1.9	28.5	63
January 29, 2009	8	3.0	6.7	277	-0.3	31.4	58
January 30, 2009	2	2.4	5.4	200	2.1	35.8	51
January 31, 2009	10	5.2	11.5	251	1.4	34.5	40

Table 4
Warm Springs Site Daily Average Data

Date	PM10 Daily ($\mu\text{g}/\text{m}^3$)	Wind Speed Daily (meters per second)	Wind Speed Daily (miles per hour)	Wind Direction Daily (degrees true)	Air Temperature Daily (Celsius)	Air Temperature Daily (Fahrenheit)	Relative Humidity Daily (percent)
January 1, 2009	-1	2.3	5.1	181	-1.9	28.6	72
January 2, 2009	-2	2.7	6.1	206	-0.4	31.2	71
January 3, 2009	-2	NO DATA	NO DATA	NO DATA	-10.6	12.9	51
January 4, 2009	-1	3.9	8.8	175	-11.0	12.2	50
January 5, 2009	-1	4.7	10.5	181	-2.6	27.4	57
January 6, 2009	-1	3.1	7.0	205	1.5	34.7	62
January 7, 2009	-1	3.0	6.7	188	5.0	41.0	70
January 8, 2009	-2	4.7	10.6	204	3.9	39.0	68
January 9, 2009	0	2.9	6.4	244	0.7	33.2	56
January 10, 2009	-1	3.2	7.1	225	1.4	34.6	54
January 11, 2009	0	2.2	5.0	277	2.8	37.0	63
January 12, 2009	0	2.5	5.5	270	2.3	36.2	61
January 13, 2009	1	4.4	9.7	240	5.2	41.4	45
January 14, 2009	1	0.9	2.1	15	1.5	34.7	64
January 15, 2009	1	0.9	2.1	166	1.0	33.8	74
January 16, 2009	4	1.1	2.4	243	-1.4	29.6	74
January 17, 2009	5	1.0	2.3	182	-3.2	26.3	70
January 18, 2009	8	0.7	1.6	65	-5.7	21.8	74
January 19, 2009	8	0.6	1.4	21	-6.8	19.9	73
January 20, 2009	14	0.7	1.5	14	-7.1	19.2	72
January 21, 2009	13	0.8	1.7	4	-5.5	22.1	71
January 22, 2009	13	1.2	2.7	9	-2.7	27.2	73
January 23, 2009	10	1.0	2.3	17	-12.7	9.2	69
January 24, 2009	32	1.0	2.2	12	-12.2	10.0	74
January 25, 2009	14	1.3	2.9	17	-18.1	-0.6	62
January 26, 2009	1	0.9	2.1	162	-21.3	-6.4	56
January 27, 2009	12	2.2	4.9	192	-12.9	8.8	60
January 28, 2009	0	2.4	5.4	245	-1.9	28.6	62
January 29, 2009	-1	2.6	5.8	253	-1.0	30.3	60
January 30, 2009	3	3.1	6.9	178	0.3	32.5	57
January 31, 2009	12	5.6	12.6	248	1.8	35.2	38

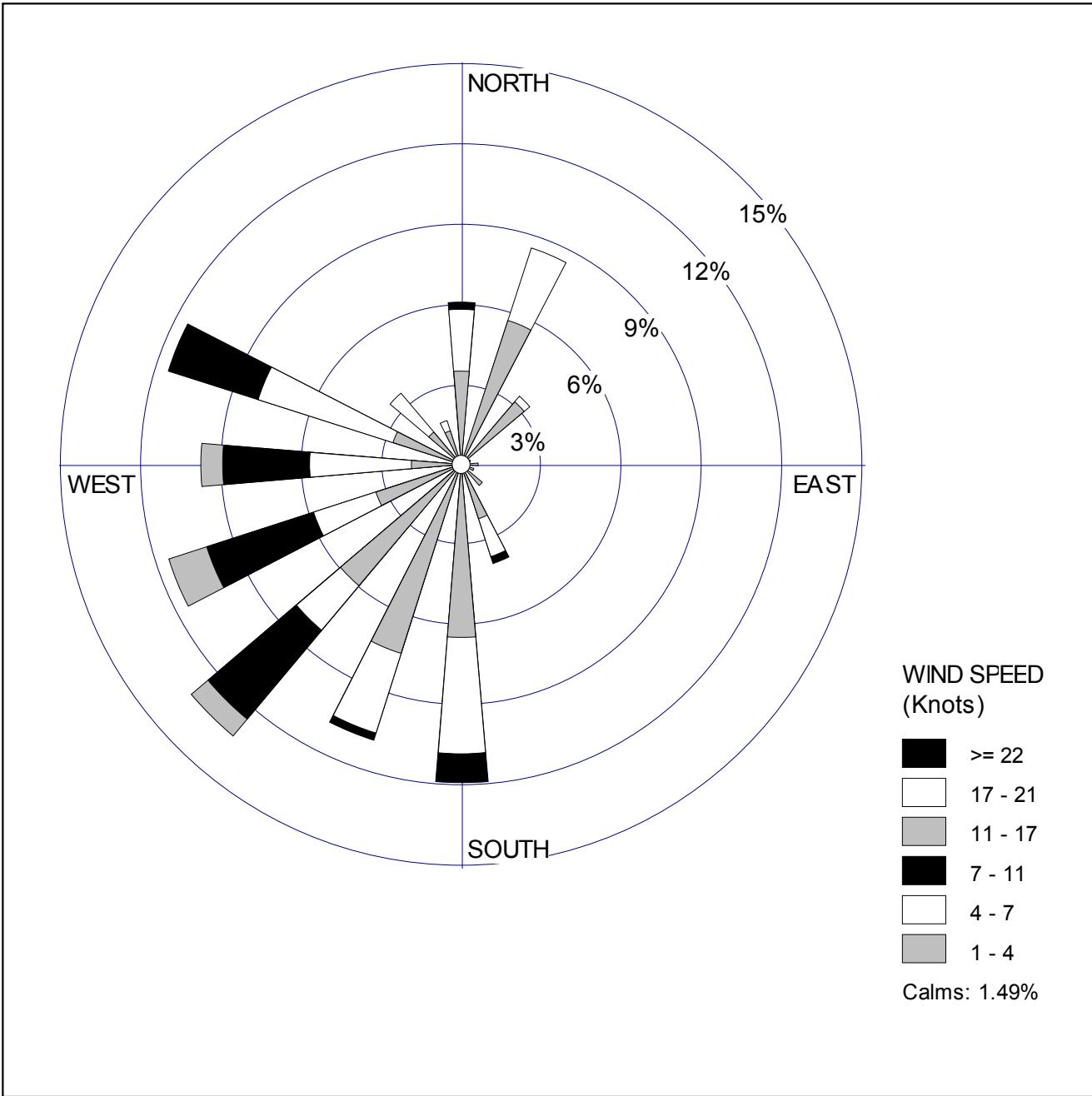


Figure 1. Wind Rose (percent of time blowing from indicated direction) for Opportunity EBAM Site January 2009.

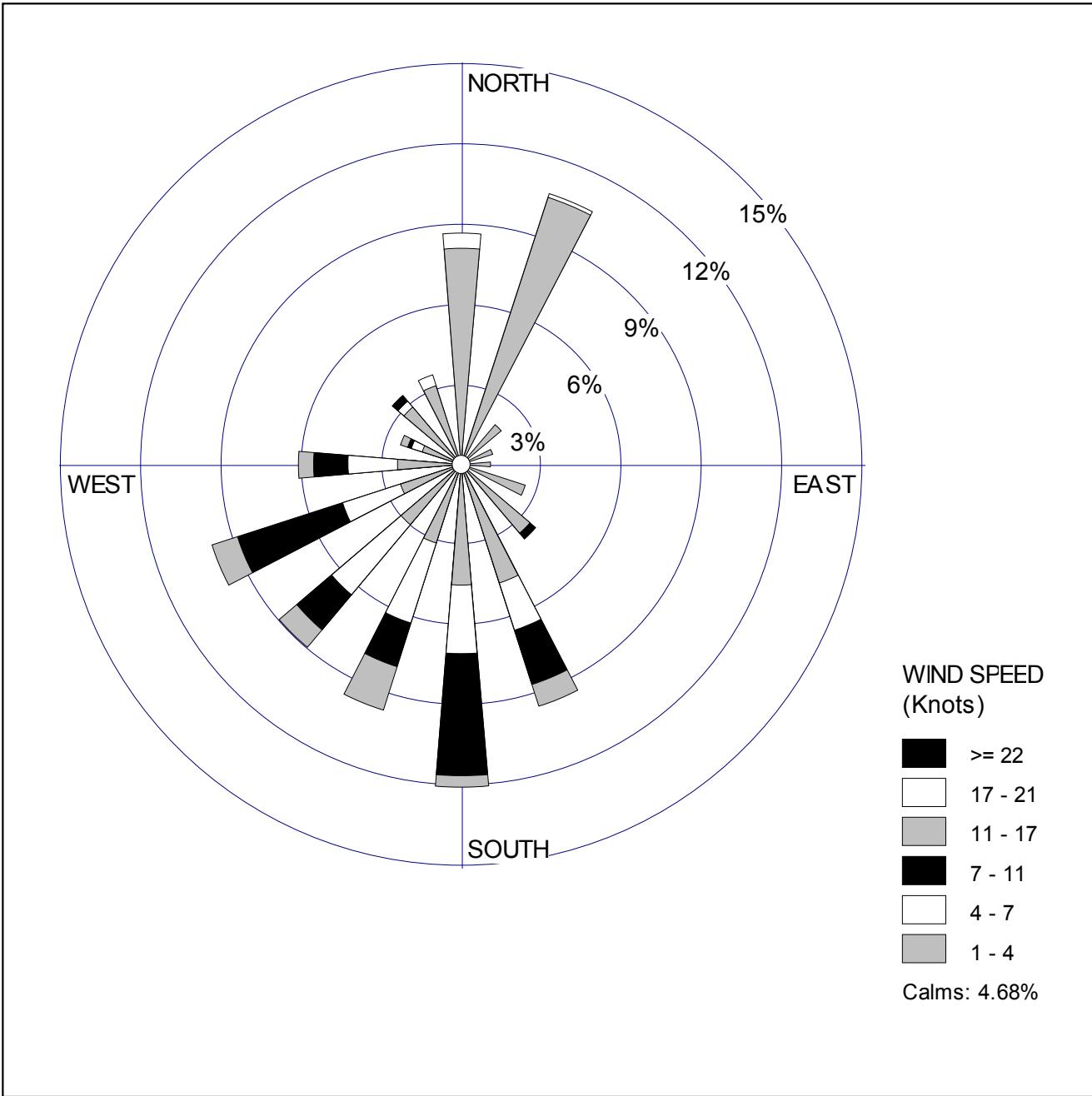


Figure 2. Wind Rose (percent of time blowing from indicated direction) for Warm Springs EBAM Site January 2009.

Table 5
Opportunity Site Hourly Average Data
Met One E-BAM
January 2009

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly ($\mu\text{g}/\text{m}^3$)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
1/1/2009 1:00	3	2.7	6.0	311	-3.2	26.2	62
1/1/2009 2:00	3	2.2	4.9	312	-4.1	24.6	63
1/1/2009 3:00	-5	1.8	4.0	319	-4.5	23.9	61
1/1/2009 4:00	-2	1.5	3.4	330	-4.7	23.5	63
1/1/2009 5:00	0	0.9	2.0	239	-6.3	20.7	67
1/1/2009 6:00	1	1.1	2.5	269	-7.4	18.7	71
1/1/2009 7:00	-2	0.8	1.8	226	-6.8	19.8	78
1/1/2009 8:00	-4	1.1	2.5	182	-6.8	19.8	75
1/1/2009 9:00	3	1.1	2.5	177	-6.3	20.7	71
1/1/2009 10:00	-4	1.0	2.2	206	-4.6	23.7	66
1/1/2009 11:00	3	1.1	2.5	202	-3.3	26.1	64
1/1/2009 12:00	3	1.3	2.9	207	-3.2	26.2	73
1/1/2009 13:00	34	2.7	6.0	166	-2.4	27.7	79
1/1/2009 14:00	-5	3.4	7.6	152	-1.9	28.6	78
1/1/2009 15:00	-5	2.9	6.5	157	-1.5	29.3	79
1/1/2009 16:00	-4	2.3	5.1	184	0.3	32.5	72
1/1/2009 17:00	BA	2.5	5.6	215	1.1	34.0	73
1/1/2009 18:00	-5	2.5	5.6	218	1.7	35.1	75
1/1/2009 19:00	-1	2.7	6.0	222	2.2	36.0	75
1/1/2009 20:00	-3	2.9	6.5	221	2.7	36.9	75
1/1/2009 21:00	2	2.0	4.5	208	2.8	37.0	76
1/1/2009 22:00	3	2.3	5.1	222	2.3	36.1	80
1/1/2009 23:00	1	1.0	2.2	174	2.2	36.0	80
1/2/2009 0:00	8	0.8	1.8	169	2.0	35.6	80
1/2/2009 1:00	11	0.8	1.8	262	1.2	34.2	86
1/2/2009 2:00	-5	0.9	2.0	308	0.8	33.4	90
1/2/2009 3:00	19	0.9	2.0	47	0.5	32.9	90
1/2/2009 4:00	2	1.7	3.8	184	2.3	36.1	87
1/2/2009 5:00	3	2.1	4.7	209	3.9	39.0	78
1/2/2009 6:00	-4	2.6	5.8	214	3.9	39.0	77
1/2/2009 7:00	3	1.9	4.3	206	3.8	38.8	77
1/2/2009 8:00	9	2.5	5.6	204	3.7	38.7	76
1/2/2009 9:00	3	1.7	3.8	204	3.1	37.6	81
1/2/2009 10:00	4	1.7	3.8	204	2.8	37.0	83
1/2/2009 11:00	8	2.4	5.4	182	3.0	37.4	82
1/2/2009 12:00	AV	AV	AV	AV	AV	AV	AV
1/2/2009 13:00	12	6.6	14.8	272	1.4	34.5	73
1/2/2009 14:00	4	6.0	13.4	270	2.2	36.0	58
1/2/2009 15:00	AV	AV	AV	AV	AV	AV	AV
1/2/2009 16:00	AV	AV	AV	AV	AV	AV	AV
1/2/2009 17:00	AV	4.8	10.7	285	-1.8	28.8	62
1/2/2009 18:00	-5	2.7	6.0	300	-2.9	26.8	65
1/2/2009 19:00	-3	3.6	8.1	290	-3.2	26.2	55
1/2/2009 20:00	16	3.8	8.5	289	-4.5	23.9	63
1/2/2009 21:00	4	3.9	8.7	285	-4.9	23.2	58
1/2/2009 22:00	25	5.9	13.2	266	-5.7	21.7	50
1/2/2009 23:00	-3	4.8	10.7	283	-6.6	20.1	48
1/3/2009 0:00	2	2.9	6.5	333	-7.1	19.2	53
1/3/2009 1:00	-4	2.5	5.6	319	-8.2	17.2	53
1/3/2009 2:00	2	2.8	6.3	259	-9.2	15.4	49
1/3/2009 3:00	-3	2.6	5.8	254	-11.0	12.2	52
1/3/2009 4:00	-4	3.1	6.9	249	-10.4	13.3	53
1/3/2009 5:00	-3	1.6	3.6	218	-10.2	13.6	56
1/3/2009 6:00	4	1.5	3.4	212	-11.1	12.0	59
1/3/2009 7:00	5	2.1	4.7	239	-11.3	11.7	55
1/3/2009 8:00	-3	1.7	3.8	272	-12.0	10.4	52
1/3/2009 9:00	-3	2.2	4.9	271	-12.0	10.4	48
1/3/2009 10:00	-3	3.4	7.6	286	-10.3	13.5	41
1/3/2009 11:00	-3	2.5	5.6	323	-9.9	14.2	42
1/3/2009 12:00	-5	3.3	7.4	295	-8.7	16.3	35
1/3/2009 13:00	-4	3.8	8.5	288	-7.9	17.8	31
1/3/2009 14:00	-4	3.2	7.2	304	-7.6	18.3	33
1/3/2009 15:00	1	3.7	8.3	273	-7.4	18.7	30
1/3/2009 16:00	1	3.0	6.7	277	-7.7	18.1	32
1/3/2009 17:00	2	1.3	2.9	306	-9.4	15.1	39
1/3/2009 18:00	-1	0.7	1.6	255	-12.8	9.0	52
1/3/2009 19:00	15	0.8	1.8	223	-15.1	4.8	57
1/3/2009 20:00	17	1.3	2.9	204	-16.1	3.0	60
1/3/2009 21:00	-2	1.6	3.6	251	-15.8	3.6	60
1/3/2009 22:00	-5	3.8	8.5	253	-11.8	10.8	51
1/3/2009 23:00	2	1.4	3.1	172	-13.4	7.9	55
1/4/2009 0:00	6	1.4	3.1	193	-13.8	7.2	59
1/4/2009 1:00	2	1.2	2.7	177	-15.4	4.3	62
1/4/2009 2:00	-1	1.9	4.3	166	-17.3	0.9	63
1/4/2009 3:00	4	1.9	4.3	172	-18.3	-0.9	65
1/4/2009 4:00	-5	1.8	4.0	181	-18.1	-0.6	66
1/4/2009 5:00	0	1.9	4.3	195	-16.7	1.9	63
1/4/2009 6:00	5	2.2	4.9	166	-16.6	2.1	63
1/4/2009 7:00	-3	2.1	4.7	175	-17.0	1.4	64
1/4/2009 8:00	-1	1.9	4.3	183	-16.7	1.9	63
1/4/2009 9:00	2	2.1	4.7	183	-16.1	3.0	60
1/4/2009 10:00	1	2.1	4.7	191	-15.5	4.1	53
1/4/2009 11:00	-4	3.0	6.7	175	-13.8	7.2	52
1/4/2009 12:00	-5	2.5	5.6	177	-11.0	12.2	48
1/4/2009 13:00	1	2.5	5.6	193	-8.2	17.2	40

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
1/4/2009 14:00	2	2.7	6.0	191	-7.2	19.0	39
1/4/2009 15:00	0	3.1	6.9	186	-6.4	20.5	37
1/4/2009 16:00	-4	3.3	7.4	180	-6.7	19.9	39
1/4/2009 17:00	-3	3.3	7.4	167	-7.6	18.3	41
1/4/2009 18:00	-5	2.3	5.1	186	-8.7	16.3	44
1/4/2009 19:00	3	2.6	5.8	181	-9.0	15.8	44
1/4/2009 20:00	1	2.3	5.1	178	-9.2	15.4	44
1/4/2009 21:00	2	3.2	7.2	182	-8.8	16.2	44
1/4/2009 22:00	-1	3.9	8.7	173	-8.8	16.2	44
1/4/2009 23:00	16	5.5	12.3	177	-6.8	19.8	37
1/5/2009 0:00	3	5.5	12.3	156	-8.0	17.6	44
1/5/2009 1:00	4	4.0	8.9	187	-6.5	20.3	38
1/5/2009 2:00	-5	3.5	7.8	180	-7.4	18.7	42
1/5/2009 3:00	-2	4.0	8.9	172	-6.4	20.5	41
1/5/2009 4:00	40	4.2	9.4	182	-5	23.0	48
1/5/2009 5:00	69	4.4	9.8	172	-5.6	21.9	66
1/5/2009 6:00	3	3.8	8.5	181	-5.4	22.3	66
1/5/2009 7:00	24	3.8	8.5	183	-5.4	22.3	67
1/5/2009 8:00	17	3.7	8.3	197	-5.3	22.5	68
1/5/2009 9:00	7	2.7	6.0	197	-4.9	23.2	67
1/5/2009 10:00	21	3.0	6.7	197	-4.7	23.5	66
1/5/2009 11:00	9	3.3	7.4	213	-4.2	24.4	68
1/5/2009 12:00	6	4.5	10.1	227	-3.4	25.9	63
1/5/2009 13:00	0	3.4	7.6	220	-2.5	27.5	59
1/5/2009 14:00	3	5.0	11.2	239	-1.5	29.3	57
1/5/2009 15:00	14	4.9	11.0	242	-1.4	29.5	61
1/5/2009 16:00	2	5.4	12.1	244	-1.8	28.8	63
1/5/2009 17:00	0	3.9	8.7	241	-1.6	29.1	62
1/5/2009 18:00	-5	4.4	9.8	239	-1.0	30.2	62
1/5/2009 19:00	2	3.0	6.7	264	-0.6	30.9	61
1/5/2009 20:00	-2	2.6	5.8	272	-0.5	31.1	59
1/5/2009 21:00	-3	3.6	8.1	296	0.2	32.4	56
1/5/2009 22:00	3	2.3	5.1	330	0.1	32.2	57
1/5/2009 23:00	0	1.8	4.0	31	0.2	32.4	57
1/6/2009 0:00	-1	2.7	6.0	14	0.5	32.9	56
1/6/2009 1:00	-5	2.1	4.7	16	0.3	32.5	57
1/6/2009 2:00	1	1.1	2.5	330	-0.3	31.5	60
1/6/2009 3:00	-3	1.8	4.0	13	-0.2	31.6	60
1/6/2009 4:00	5	1.7	3.8	292	0.0	32.0	60
1/6/2009 5:00	0	1.2	2.7	140	-0.3	31.5	60
1/6/2009 6:00	-1	1.7	3.8	284	0.6	33.1	56
1/6/2009 7:00	1	3.0	6.7	293	0.4	32.7	63
1/6/2009 8:00	-5	3.3	7.4	294	-0.1	31.8	69
1/6/2009 9:00	0	2.1	4.7	293	-0.2	31.6	68
1/6/2009 10:00	-4	2.7	6.0	275	0.5	32.9	61
1/6/2009 11:00	-3	2.3	5.1	265	1.0	33.8	59
1/6/2009 12:00	-5	3.2	7.2	239	1.3	34.3	57
1/6/2009 13:00	3	4.7	10.5	242	1.0	33.8	61
1/6/2009 14:00	-2	4.6	10.3	236	1.4	34.5	61
1/6/2009 15:00	-1	5.0	11.2	241	1.4	34.5	62
1/6/2009 16:00	-3	4.0	8.9	238	1.3	34.3	64
1/6/2009 17:00	3	4.1	9.2	237	1.0	33.8	67
1/6/2009 18:00	-3	2.9	6.5	220	1.1	34.0	68
1/6/2009 19:00	-5	2.4	5.4	207	1.3	34.3	70
1/6/2009 20:00	-2	2.4	5.4	196	1.8	35.2	69
1/6/2009 21:00	3	2.5	5.6	195	2.3	36.1	71
1/6/2009 22:00	-5	2.3	5.1	173	3.1	37.6	69
1/6/2009 23:00	3	2.0	4.5	143	3.8	38.8	68
1/7/2009 0:00	-5	1.5	3.4	70	3.7	38.7	71
1/7/2009 1:00	-5	1.7	3.8	124	4.3	39.7	69
1/7/2009 2:00	1	1.9	4.3	253	5.1	41.2	68
1/7/2009 3:00	-1	5.2	11.6	267	5.9	42.6	65
1/7/2009 4:00	4	3.8	8.5	255	5.7	42.3	66
1/7/2009 5:00	-2	2.2	4.9	241	4.7	40.5	72
1/7/2009 6:00	3	6	13.4	245	4.9	40.8	71
1/7/2009 7:00	3	5.1	11.4	236	4.6	40.3	72
1/7/2009 8:00	-5	4.4	9.8	232	4.7	40.5	72
1/7/2009 9:00	-5	4.5	10.1	231	4.7	40.5	71
1/7/2009 10:00	-3	5.3	11.9	241	4.8	40.6	71
1/7/2009 11:00	-2	4.9	11.0	243	5.0	41.0	70
1/7/2009 12:00	-4	3.3	7.4	243	5.3	41.5	68
1/7/2009 13:00	-5	3.3	7.4	242	5.5	41.9	67
1/7/2009 14:00	-4	3.8	8.5	234	5.4	41.7	67
1/7/2009 15:00	1	3.7	8.3	229	5.6	42.1	67
1/7/2009 16:00	-4	3.6	8.1	217	5.4	41.7	68
1/7/2009 17:00	1	4.6	10.3	231	5.1	41.2	70
1/7/2009 18:00	0	3.4	7.6	225	5.0	41.0	71
1/7/2009 19:00	-2	2.5	5.6	208	5.0	41.0	71
1/7/2009 20:00	-3	2.0	4.5	202	4.7	40.5	72
1/7/2009 21:00	-3	2.1	4.7	200	4.9	40.8	71
1/7/2009 22:00	-5	2.7	6.0	195	5.2	41.4	71
1/7/2009 23:00	2	5.0	11.2	223	5.4	41.7	70
1/8/2009 0:00	-3	6.1	13.6	227	5.5	41.9	70
1/8/2009 1:00	-5	5.8	13.0	225	5.5	41.9	71
1/8/2009 2:00	-3	5.3	11.9	225	5.4	41.7	71
1/8/2009 3:00	-4	5.3	11.9	229	5.8	42.4	69
1/8/2009 4:00	2	5.7	12.8	230	6.0	42.8	67
1/8/2009 5:00	1	4.7	10.5	217	5.5	41.9	73
1/8/2009 6:00	-4	4.3	9.6	217	5.4	41.7	73
1/8/2009 7:00	-4	4.4	9.8	216	5.2	41.4	74

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
1/8/2009 8:00	-4	3.9	8.7	216	4.9	40.8	75
1/8/2009 9:00	4	3.2	7.2	213	4.8	40.6	75
1/8/2009 10:00	-5	3.2	7.2	212	4.9	40.8	74
1/8/2009 11:00	1	3.7	8.3	222	4.9	40.8	74
1/8/2009 12:00	0	4.3	9.6	222	5.0	41.0	73
1/8/2009 13:00	2	4.7	10.5	226	5.3	41.5	70
1/8/2009 14:00	4	3.9	8.7	236	3.9	39.0	79
1/8/2009 15:00	-2	2.6	5.8	271	4.7	40.5	68
1/8/2009 16:00	-2	2.8	6.3	297	3.3	37.9	71
1/8/2009 17:00	-5	3.6	8.1	254	3.8	38.8	59
1/8/2009 18:00	-3	3.4	7.6	267	3.4	38.1	54
1/8/2009 19:00	3	3.0	6.7	280	2.7	36.9	55
1/8/2009 20:00	-4	2.6	5.8	267	1.6	34.9	58
1/8/2009 21:00	18	5.0	11.2	259	1.9	35.4	53
1/8/2009 22:00	19	2.4	5.4	3	1.6	34.9	57
1/8/2009 23:00	1	2.0	4.5	298	1.0	33.8	63
1/9/2009 0:00	-4	3.1	6.9	275	1.7	35.1	58
1/9/2009 1:00	-5	2.9	6.5	264	1.5	34.7	61
1/9/2009 2:00	2	4.5	10.1	268	1.5	34.7	63
1/9/2009 3:00	1	4.4	9.8	278	1.4	34.5	64
1/9/2009 4:00	3	4.4	9.8	286	0.8	33.4	70
1/9/2009 5:00	9	3.6	8.1	303	1.3	34.3	63
1/9/2009 6:00	-5	3.0	6.7	299	1.0	33.8	61
1/9/2009 7:00	5	2.7	6.0	301	1.0	33.8	60
1/9/2009 8:00	2	3.4	7.6	279	1	33.8	59
1/9/2009 9:00	4	3.2	7.2	272	0.9	33.6	59
1/9/2009 10:00	-2	2.6	5.8	256	0.7	33.3	59
1/9/2009 11:00	-1	3.4	7.6	234	1.2	34.2	55
1/9/2009 12:00	-5	4.2	9.4	239	1.5	34.7	52
1/9/2009 13:00	2	3.8	8.5	261	2.4	36.3	48
1/9/2009 14:00	-4	3.7	8.3	278	2.2	36.0	46
1/9/2009 15:00	6	2.7	6.0	283	2.4	36.3	45
1/9/2009 16:00	0	3.3	7.4	258	2.1	35.8	46
1/9/2009 17:00	1	2.5	5.6	260	1.0	33.8	52
1/9/2009 18:00	0	2.0	4.5	256	-0.8	30.6	57
1/9/2009 19:00	-1	4.4	9.8	269	-0.6	30.9	54
1/9/2009 20:00	3	5.0	11.2	249	-0.6	30.9	53
1/9/2009 21:00	2	3.6	8.1	235	-1.0	30.2	54
1/9/2009 22:00	-2	3.9	8.7	232	-1.2	29.8	54
1/9/2009 23:00	-5	2.7	6.0	199	-1.3	29.7	56
1/10/2009 0:00	1	2.1	4.7	182	-1.1	30.0	55
1/10/2009 1:00	0	4.8	10.7	230	-0.5	31.1	53
1/10/2009 2:00	1	5.1	11.4	244	-0.3	31.5	52
1/10/2009 3:00	0	5.5	12.3	251	0.3	32.5	50
1/10/2009 4:00	2	4.8	10.7	261	1.1	34.0	46
1/10/2009 5:00	6	2.9	6.5	274	0.9	33.6	46
1/10/2009 6:00	0	4.0	8.9	264	0.8	33.4	47
1/10/2009 7:00	-2	5.5	12.3	260	0.8	33.4	47
1/10/2009 8:00	4	4.4	9.8	261	0.9	33.6	47
1/10/2009 9:00	-1	2	4.5	215	0.6	33.1	50
1/10/2009 10:00	7	1.9	4.3	220	1.1	34.0	51
1/10/2009 11:00	6	2.3	5.1	216	1.7	35.1	51
1/10/2009 12:00	2	4.4	9.8	236	2.0	35.6	53
1/10/2009 13:00	-4	5.7	12.8	242	2.5	36.5	54
1/10/2009 14:00	9	5.9	13.2	244	2.2	36.0	63
1/10/2009 15:00	4	5.4	12.1	261	2.7	36.9	61
1/10/2009 16:00	-5	4.4	9.8	259	2.3	36.1	64
1/10/2009 17:00	-1	3.7	8.3	253	1.8	35.2	65
1/10/2009 18:00	-3	3.8	8.5	247	1.6	34.9	65
1/10/2009 19:00	-2	3.2	7.2	239	1.1	34.0	65
1/10/2009 20:00	1	2.2	4.9	242	0.8	33.4	63
1/10/2009 21:00	-1	4.1	9.2	241	1.1	34.0	63
1/10/2009 22:00	-3	3.8	8.5	235	0.9	33.6	65
1/10/2009 23:00	1	4.1	9.2	239	0.9	33.6	67
1/11/2009 0:00	-2	4.1	9.2	236	1.0	33.8	68
1/11/2009 1:00	3	3.9	8.7	240	1.0	33.8	68
1/11/2009 2:00	2	2.5	5.6	255	0.2	32.4	76
1/11/2009 3:00	1	1.3	2.9	186	0.0	32.0	77
1/11/2009 4:00	-4	1.5	3.4	158	-0.2	31.6	78
1/11/2009 5:00	-1	1.3	2.9	164	-0.1	31.8	76
1/11/2009 6:00	-5	1.5	3.4	189	-0.3	31.5	75
1/11/2009 7:00	-3	2.6	5.8	265	1.9	35.4	65
1/11/2009 8:00	0	2.4	5.4	280	1.9	35.4	68
1/11/2009 9:00	3	1.4	3.1	193	1.5	34.7	70
1/11/2009 10:00	-2	1.9	4.3	169	2.4	36.3	64
1/11/2009 11:00	-4	1.7	3.8	100	3.6	38.5	59
1/11/2009 12:00	6	1.9	4.3	56	4.6	40.3	55
1/11/2009 13:00	0	3.4	7.6	275	5.5	41.9	51
1/11/2009 14:00	6	4.3	9.6	286	5.8	42.4	51
1/11/2009 15:00	0	3.2	7.2	295	6.0	42.8	51
1/11/2009 16:00	0	3.8	8.5	290	6.4	43.5	50
1/11/2009 17:00	3	3.8	8.5	295	5.9	42.6	52
1/11/2009 18:00	1	2.8	6.3	296	5.3	41.5	56
1/11/2009 19:00	-1	1.8	4.0	338	4.9	40.8	56
1/11/2009 20:00	-5	1.6	3.6	6	4.2	39.6	59
1/11/2009 21:00	-4	2.8	6.3	297	4.8	40.6	54
1/11/2009 22:00	2	3.7	8.3	284	4.5	40.1	55
1/11/2009 23:00	7	2.0	4.5	311	3.2	37.8	63
1/12/2009 0:00	2	2.0	4.5	56	1.7	35.1	74
1/12/2009 1:00	-5	1.1	2.5	50	1.9	35.4	67

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
1/12/2009 2:00	3	3.8	8.5	4	1.7	35.1	68
1/12/2009 3:00	4	3.0	6.7	15	1.7	35.1	63
1/12/2009 4:00	-3	2.8	6.3	349	1.0	33.8	68
1/12/2009 5:00	8	2.2	4.9	330	0.2	32.4	70
1/12/2009 6:00	-2	2.1	4.7	333	-0.7	30.7	72
1/12/2009 7:00	-1	1.4	3.1	331	-1.2	29.8	72
1/12/2009 8:00	21	1.0	2.2	12	-1.5	29.3	74
1/12/2009 9:00	12	1.7	3.8	358	-0.2	31.6	67
1/12/2009 10:00	1	2.1	4.7	288	2.1	35.8	53
1/12/2009 11:00	4	2	4.5	317	2.9	37.2	52
1/12/2009 12:00	6	3.1	6.9	292	3.6	38.5	52
1/12/2009 13:00	2	4.2	9.4	270	4.0	39.2	50
1/12/2009 14:00	0	4.1	9.2	276	4.3	39.7	54
1/12/2009 15:00	-4	4.0	8.9	279	4.2	39.6	56
1/12/2009 16:00	-2	3.1	6.9	287	4.3	39.7	57
1/12/2009 17:00	0	2.5	5.6	291	4.4	39.9	59
1/12/2009 18:00	-2	1.7	3.8	303	4.4	39.9	59
1/12/2009 19:00	4	0.8	1.8	233	3.8	38.8	62
1/12/2009 20:00	-2	1.4	3.1	301	4.1	39.4	60
1/12/2009 21:00	-5	1.5	3.4	282	4.2	39.6	58
1/12/2009 22:00	-2	2.7	6.0	270	4.6	40.3	54
1/12/2009 23:00	1	4.0	8.9	257	4.3	39.7	54
1/13/2009 0:00	-2	3.3	7.4	276	4.5	40.1	55
1/13/2009 1:00	0	2.7	6.0	275	4.7	40.5	54
1/13/2009 2:00	-4	4.8	10.7	263	5.2	41.4	51
1/13/2009 3:00	2	7.4	16.6	257	5.2	41.4	50
1/13/2009 4:00	0	7.2	16.1	249	5.0	41.0	52
1/13/2009 5:00	-1	5.1	11.4	256	5.2	41.4	50
1/13/2009 6:00	7	2.6	5.8	300	5.0	41.0	51
1/13/2009 7:00	15	3.1	6.9	325	5.1	41.2	52
1/13/2009 8:00	15	3.7	8.3	4	5.0	41.0	52
1/13/2009 9:00	50	2.4	5.4	29	4.9	40.8	48
1/13/2009 10:00	8	3.5	7.8	305	5.7	42.3	44
1/13/2009 11:00	6	5.1	11.4	276	6.2	43.2	42
1/13/2009 12:00	8	5.5	12.3	279	7.2	45.0	37
1/13/2009 13:00	2	6.1	13.6	279	7.3	45.1	36
1/13/2009 14:00	4	5.3	11.9	287	7.0	44.6	36
1/13/2009 15:00	1	4.4	9.8	291	6.9	44.4	35
1/13/2009 16:00	2	5.3	11.9	278	6.8	44.2	37
1/13/2009 17:00	-1	3.9	8.7	284	6.5	43.7	35
1/13/2009 18:00	-5	2.2	4.9	298	5.3	41.5	39
1/13/2009 19:00	-5	2.6	5.8	302	4.6	40.3	41
1/13/2009 20:00	1	1.4	3.1	317	4.6	40.3	39
1/13/2009 21:00	-5	2.3	5.1	282	4.8	40.6	38
1/13/2009 22:00	2	3.3	7.4	290	5.5	41.9	36
1/13/2009 23:00	3	4.0	8.9	284	5.8	42.4	36
1/14/2009 0:00	-5	3.8	8.5	286	5.5	41.9	37
1/14/2009 1:00	3	2.2	4.9	316	5.1	41.2	40
1/14/2009 2:00	-4	2.5	5.6	313	4.2	39.6	44
1/14/2009 3:00	3	2.7	6.0	320	4.9	40.8	39
1/14/2009 4:00	-1	3.0	6.7	6	2.5	36.5	56
1/14/2009 5:00	2	2.4	5.4	14	1.6	34.9	60
1/14/2009 6:00	4	1.5	3.4	319	1.2	34.2	60
1/14/2009 7:00	3	1.2	2.7	275	0.0	32.0	63
1/14/2009 8:00	24	1.1	2.5	260	-0.5	31.1	65
1/14/2009 9:00	10	1.0	2.2	210	-0.9	30.4	67
1/14/2009 10:00	19	0.8	1.8	149	-0.4	31.3	68
1/14/2009 11:00	2	0.7	1.6	140	1.8	35.2	58
1/14/2009 12:00	34	0.9	2.0	29	3.4	38.1	50
1/14/2009 13:00	16	1.3	2.9	42	3.8	38.8	51
1/14/2009 14:00	15	2.6	5.8	33	4.3	39.7	51
1/14/2009 15:00	5	3.6	8.1	18	4.9	40.8	50
1/14/2009 16:00	20	3.3	7.4	17	4.4	39.9	54
1/14/2009 17:00	7	3.0	6.7	17	3.6	38.5	60
1/14/2009 18:00	1	1.9	4.3	5	3.2	37.8	63
1/14/2009 19:00	4	1.0	2.2	320	3.1	37.6	64
1/14/2009 20:00	1	2.3	5.1	37	3.0	37.4	65
1/14/2009 21:00	-2	1.7	3.8	34	3.3	37.9	64
1/14/2009 22:00	4	1.0	2.2	346	3.0	37.4	67
1/14/2009 23:00	-2	1.6	3.6	351	3.1	37.6	67
1/15/2009 0:00	4	1.7	3.8	352	2.8	37.0	69
1/15/2009 1:00	2	1.0	2.2	317	2.3	36.1	72
1/15/2009 2:00	3	0.8	1.8	289	1.8	35.2	74
1/15/2009 3:00	5	0.9	2.0	227	1.7	35.1	75
1/15/2009 4:00	5	0.6	1.3	196	1.1	34.0	78
1/15/2009 5:00	1	0.6	1.3	233	0.8	33.4	80
1/15/2009 6:00	4	0.4	0.9	262	0.5	32.9	82
1/15/2009 7:00	13	0.6	1.3	235	0.0	32.0	83
1/15/2009 8:00	20	0.7	1.6	209	-2.1	28.2	87
1/15/2009 9:00	1	0.8	1.8	237	-2.2	28.0	85
1/15/2009 10:00	10	1.0	2.2	153	0.9	33.6	74
1/15/2009 11:00	-1	1.9	4.3	162	3.0	37.4	64
1/15/2009 12:00	5	2.1	4.7	177	5.4	41.7	52
1/15/2009 13:00	0	1.7	3.8	164	6.8	44.2	46
1/15/2009 14:00	25	2.6	5.8	12	6.8	44.2	51
1/15/2009 15:00	31	1.8	4.0	1	6.9	44.4	50
1/15/2009 16:00	11	2.0	4.5	19	6.5	43.7	54
1/15/2009 17:00	58	2.3	5.1	357	4.7	40.5	63
1/15/2009 18:00	9	1.6	3.6	304	2.7	36.9	69
1/15/2009 19:00	11	0.9	2.0	179	0.5	32.9	76
1/15/2009 20:00	22	0.8	1.8	199	-1.6	29.1	85

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
1/15/2009 21:00	11	0.9	2.0	215	-2.2	28.0	84
1/15/2009 22:00	9	0.8	1.8	223	-2.9	26.8	84
1/15/2009 23:00	11	0.8	1.8	227	-3.5	25.7	85
1/16/2009 0:00	39	0.9	2.0	190	-3.3	26.1	86
1/16/2009 1:00	7	1.0	2.2	201	-3.2	26.2	83
1/16/2009 2:00	1	1.0	2.2	207	-3.1	26.4	82
1/16/2009 3:00	7	1.2	2.7	211	-2.2	28.0	78
1/16/2009 4:00	2	1.5	3.4	194	-2.4	27.7	78
1/16/2009 5:00	-1	1.7	3.8	189	-1.8	28.8	74
1/16/2009 6:00	-3	1.9	4.3	191	-2.0	28.4	73
1/16/2009 7:00	-1	2.3	5.1	190	-1.9	28.6	72
1/16/2009 8:00	-2	2.8	6.3	178	-2.0	28.4	70
1/16/2009 9:00	3	2.4	5.4	192	-1.9	28.6	67
1/16/2009 10:00	-5	2.3	5.1	199	-0.5	31.1	62
1/16/2009 11:00	10	2.3	5.1	182	1.3	34.3	56
1/16/2009 12:00	3	2.0	4.5	111	2.5	36.5	58
1/16/2009 13:00	4	1.9	4.3	36	2.1	35.8	68
1/16/2009 14:00	8	BA	BA	BA	3.5	38.3	62
1/16/2009 15:00	BA	2.1	4.7	3	4.6	40.3	54
1/16/2009 16:00	7	1.0	2.2	45	5.3	41.5	50
1/16/2009 17:00	12	1.7	3.8	4	4.8	40.6	53
1/16/2009 18:00	4	1.6	3.6	287	2.4	36.3	62
1/16/2009 19:00	15	1.2	2.7	216	0.6	33.1	67
1/16/2009 20:00	20	0.8	1.8	213	-0.8	30.6	74
1/16/2009 21:00	11	0.9	2.0	216	-1.3	29.7	74
1/16/2009 22:00	12	0.8	1.8	184	-2.8	27.0	76
1/16/2009 23:00	9	0.9	2.0	228	-3.7	25.3	77
1/17/2009 0:00	13	0.8	1.8	192	-4.5	23.9	79
1/17/2009 1:00	6	1.2	2.7	199	-4.3	24.3	79
1/17/2009 2:00	-1	1.0	2.2	183	-4.7	23.5	75
1/17/2009 3:00	4	1.2	2.7	193	-4.4	24.1	72
1/17/2009 4:00	4	0.5	1.1	243	-6.2	20.8	78
1/17/2009 5:00	-1	0.8	1.8	236	-7.0	19.4	79
1/17/2009 6:00	4	1.2	2.7	174	-6.4	20.5	77
1/17/2009 7:00	6	0.8	1.8	225	-7.9	17.8	80
1/17/2009 8:00	16	0.6	1.3	212	-8.8	16.2	82
1/17/2009 9:00	6	0.7	1.6	202	-8.0	17.6	77
1/17/2009 10:00	11	1.5	3.4	168	-4.4	24.1	66
1/17/2009 11:00	5	2.3	5.1	162	-1.4	29.5	60
1/17/2009 12:00	4	2.4	5.4	159	1.0	33.8	52
1/17/2009 13:00	8	2.1	4.7	86	2.3	36.1	49
1/17/2009 14:00	6	1.4	3.1	52	3.1	37.6	53
1/17/2009 15:00	5	0.9	2.0	19	4.7	40.5	46
1/17/2009 16:00	10	1	2.2	19	4.8	40.6	45
1/17/2009 17:00	14	1.2	2.7	28	3.6	38.5	51
1/17/2009 18:00	4	0.7	1.6	274	-0.2	31.6	66
1/17/2009 19:00	12	0.6	1.3	299	-3.4	25.9	77
1/17/2009 20:00	14	0.7	1.6	233	-4.5	23.9	82
1/17/2009 21:00	42	0.5	1.1	226	-6.3	20.7	84
1/17/2009 22:00	27	0.7	1.6	200	-6.8	19.8	84
1/17/2009 23:00	5	0.8	1.8	203	-6.2	20.8	81
1/18/2009 0:00	8	1.0	2.2	189	-6.0	21.2	78
1/18/2009 1:00	9	1.1	2.5	118	-5.5	22.1	74
1/18/2009 2:00	9	1.2	2.7	295	-7.3	18.9	82
1/18/2009 3:00	7	0.7	1.6	223	-9.0	15.8	85
1/18/2009 4:00	31	0.7	1.6	257	-9.1	15.6	83
1/18/2009 5:00	10	0.7	1.6	191	-10.1	13.8	84
1/18/2009 6:00	-2	1.0	2.2	216	-10.8	12.6	83
1/18/2009 7:00	13	1.3	2.9	221	-10.3	13.5	80
1/18/2009 8:00	9	1.1	2.5	165	-10.4	13.3	80
1/18/2009 9:00	4	0.5	1.1	293	-10.8	12.6	80
1/18/2009 10:00	12	0.8	1.8	188	-6.7	19.9	68
1/18/2009 11:00	3	1.4	3.1	150	-3.8	25.2	63
1/18/2009 12:00	17	0.9	2.0	46	-1.1	30.0	58
1/18/2009 13:00	6	1.7	3.8	36	-0.5	31.1	60
1/18/2009 14:00	5	1.9	4.3	36	0.6	33.1	56
1/18/2009 15:00	13	1.1	2.5	30	2.2	36.0	52
1/18/2009 16:00	13	0.6	1.3	34	2.9	37.2	49
1/18/2009 17:00	4	0.7	1.6	335	1.8	35.2	54
1/18/2009 18:00	13	0.6	1.3	251	-1.4	29.5	67
1/18/2009 19:00	23	0.4	0.9	147	-4.5	23.9	80
1/18/2009 20:00	18	0.4	0.9	258	-5.9	21.4	82
1/18/2009 21:00	25	0.5	1.1	224	-6.9	19.6	86
1/18/2009 22:00	53	0.8	1.8	214	-7.2	19.0	86
1/18/2009 23:00	23	0.8	1.8	236	-8.1	17.4	84
1/19/2009 0:00	22	0.6	1.3	224	-8.8	16.2	85
1/19/2009 1:00	24	0.7	1.6	235	-8.9	16.0	83
1/19/2009 2:00	31	0.5	1.1	235	-9.6	14.7	84
1/19/2009 3:00	24	0.5	1.1	210	-10.5	13.1	83
1/19/2009 4:00	27	0.7	1.6	225	-11.0	12.2	83
1/19/2009 5:00	17	0.7	1.6	211	-10.8	12.6	83
1/19/2009 6:00	16	0.8	1.8	230	-11.0	12.2	81
1/19/2009 7:00	14	0.5	1.1	271	-12.2	10.0	82
1/19/2009 8:00	27	0.8	1.8	238	-11.4	11.5	83
1/19/2009 9:00	26	0.6	1.3	223	-11.0	12.2	79
1/19/2009 10:00	12	0.5	1.1	95	-7.3	18.9	73
1/19/2009 11:00	18	0.6	1.3	182	-4.6	23.7	65
1/19/2009 12:00	24	0.7	1.6	86	-2.0	28.4	58
1/19/2009 13:00	119	1.1	2.5	19	-0.5	31.1	57
1/19/2009 14:00	40	1.4	3.1	23	0.8	33.4	55

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
1/19/2009 15:00	32	1.2	2.7	41	2.0	35.6	51
1/19/2009 16:00	28	1.2	2.7	33	2.4	36.3	49
1/19/2009 17:00	21	1.1	2.5	25	1.6	34.9	54
1/19/2009 18:00	17	0.5	1.1	256	-2.2	28.0	68
1/19/2009 19:00	24	0.5	1.1	202	-5.3	22.5	77
1/19/2009 20:00	30	0.8	1.8	245	-7.1	19.2	82
1/19/2009 21:00	19	0.5	1.1	249	-7.7	18.1	84
1/19/2009 22:00	23	0.7	1.6	247	-8.3	17.1	84
1/19/2009 23:00	18	0.6	1.3	258	-9.3	15.3	84
1/20/2009 0:00	25	0.7	1.6	263	-9.8	14.4	84
1/20/2009 1:00	29	0.8	1.8	243	-9.0	15.8	83
1/20/2009 2:00	13	1.0	2.2	221	-9.1	15.6	81
1/20/2009 3:00	-1	1.2	2.7	209	-6.4	20.5	66
1/20/2009 4:00	8	1.2	2.7	193	-6.3	20.7	62
1/20/2009 5:00	18	0.7	1.6	249	-8.9	16.0	70
1/20/2009 6:00	-4	1.1	2.5	205	-8.9	16.0	69
1/20/2009 7:00	20	1.3	2.9	332	-9.9	14.2	73
1/20/2009 8:00	28	0.6	1.3	252	-12.4	9.7	81
1/20/2009 9:00	10	0.9	2.0	227	-11.7	10.9	77
1/20/2009 10:00	6	1.7	3.8	192	-4.9	23.2	54
1/20/2009 11:00	65	1.9	4.3	56	-4.0	24.8	59
1/20/2009 12:00	67	2.0	4.5	10	-3.9	25.0	65
1/20/2009 13:00	30	1.9	4.3	23	-1.9	28.6	59
1/20/2009 14:00	30	1.7	3.8	29	0.5	32.9	54
1/20/2009 15:00	23	1.5	3.4	31	2.2	36.0	48
1/20/2009 16:00	22	1.5	3.4	30	2.8	37.0	45
1/20/2009 17:00	50	0.7	1.6	18	3.2	37.8	44
1/20/2009 18:00	50	0.5	1.1	285	-0.9	30.4	58
1/20/2009 19:00	24	0.6	1.3	247	-3.3	26.1	68
1/20/2009 20:00	43	0.7	1.6	207	-6.4	20.5	77
1/20/2009 21:00	27	1.1	2.5	191	-7.0	19.4	79
1/20/2009 22:00	11	1.1	2.5	211	-6.4	20.5	75
1/20/2009 23:00	3	1.1	2.5	183	-4.2	24.4	61
1/21/2009 0:00	11	0.9	2.0	241	-5.7	21.7	66
1/21/2009 1:00	-5	1.3	2.9	211	-3.7	25.3	57
1/21/2009 2:00	28	1.4	3.1	12	-6.1	21.0	70
1/21/2009 3:00	25	0.8	1.8	242	-8.2	17.2	80
1/21/2009 4:00	27	0.5	1.1	230	-9.8	14.4	83
1/21/2009 5:00	30	0.7	1.6	225	-10.0	14.0	84
1/21/2009 6:00	28	0.7	1.6	261	-10.3	13.5	83
1/21/2009 7:00	21	0.7	1.6	273	-10.0	14.0	81
1/21/2009 8:00	12	0.7	1.6	216	-8.0	17.6	71
1/21/2009 9:00	-2	1.1	2.5	140	-6.5	20.3	64
1/21/2009 10:00	32	1.3	2.9	78	-4.1	24.6	61
1/21/2009 11:00	22	1.5	3.4	102	-1.1	30.0	54
1/21/2009 12:00	31	1.7	3.8	131	2.1	35.8	43
1/21/2009 13:00	46	2.5	5.6	45	1.9	35.4	48
1/21/2009 14:00	27	2.3	5.1	31	1.7	35.1	51
1/21/2009 15:00	26	2.2	4.9	23	3.3	37.9	46
1/21/2009 16:00	27	2.3	5.1	18	4.0	39.2	42
1/21/2009 17:00	41	1.0	2.2	358	3.1	37.6	43
1/21/2009 18:00	21	0.7	1.6	279	-0.5	31.1	56
1/21/2009 19:00	38	0.6	1.3	197	-3.3	26.1	68
1/21/2009 20:00	43	0.7	1.6	223	-4.6	23.7	74
1/21/2009 21:00	27	0.9	2.0	214	-4.1	24.6	73
1/21/2009 22:00	9	0.9	2.0	202	-3.1	26.4	66
1/21/2009 23:00	14	1.1	2.5	233	-3.2	26.2	64
1/22/2009 0:00	0	1.2	2.7	204	-4.3	24.3	69
1/22/2009 1:00	5	1.2	2.7	172	-1.8	28.8	58
1/22/2009 2:00	5	1.8	4.0	179	0.4	32.7	46
1/22/2009 3:00	-4	2.1	4.7	168	0.6	33.1	46
1/22/2009 4:00	-4	1.9	4.3	167	0.3	32.5	45
1/22/2009 5:00	5	2.3	5.1	202	2.7	36.9	36
1/22/2009 6:00	8	1.8	4.0	188	1.5	34.7	42
1/22/2009 7:00	12	1.3	2.9	1	-1.6	29.1	58
1/22/2009 8:00	105	1.0	2.2	360	-3.3	26.1	67
1/22/2009 9:00	115	1.0	2.2	136	-2.2	28.0	65
1/22/2009 10:00	2	1.9	4.3	206	2.3	36.1	42
1/22/2009 11:00	10	3.1	6.9	235	4.1	39.4	46
1/22/2009 12:00	26	2.3	5.1	303	3.5	38.3	54
1/22/2009 13:00	28	2.2	4.9	26	0.9	33.6	60
1/22/2009 14:00	47	2.3	5.1	27	0.4	32.7	70
1/22/2009 15:00	28	0.9	2.0	40	0.9	33.6	77
1/22/2009 16:00	6	1.8	4.0	169	1.3	34.3	76
1/22/2009 17:00	5	1.3	2.9	172	1.8	35.2	76
1/22/2009 18:00	3	1.1	2.5	180	1.0	33.8	81
1/22/2009 19:00	12	1.0	2.2	89	-0.5	31.1	85
1/22/2009 20:00	23	1.7	3.8	8	-2.3	27.9	90
1/22/2009 21:00	28	2.1	4.7	20	-3.3	26.1	87
1/22/2009 22:00	17	1.8	4.0	1	-4.1	24.6	81
1/22/2009 23:00	14	2.9	6.5	7	-5.8	21.6	76
1/23/2009 0:00	14	3.4	7.6	13	-7.3	18.9	73
1/23/2009 1:00	8	3.4	7.6	2	-9.0	15.8	72
1/23/2009 2:00	7	3.0	6.7	9	-10.7	12.7	71
1/23/2009 3:00	12	3.3	7.4	11	-12.0	10.4	71
1/23/2009 4:00	16	2.4	5.4	8	-12.9	8.8	73
1/23/2009 5:00	19	2.3	5.1	18	-13.4	7.9	73
1/23/2009 6:00	24	2.3	5.1	16	-14.0	6.8	73
1/23/2009 7:00	21	1.9	4.3	15	-14.4	6.1	74
1/23/2009 8:00	13	1.8	4.0	22	-14.8	5.4	74

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
1/23/2009 9:00	18	1.4	3.1	19	-15.1	4.8	74
1/23/2009 10:00	15	1.3	2.9	17	-14.8	5.4	74
1/23/2009 11:00	12	1.0	2.2	20	-14.3	6.3	72
1/23/2009 12:00	17	1.1	2.5	11	-13.4	7.9	70
1/23/2009 13:00	16	1.1	2.5	13	-12.5	9.5	69
1/23/2009 14:00	16	0.9	2.0	40	-11.2	11.8	68
1/23/2009 15:00	BA	1.0	2.2	20	-10.0	14.0	65
1/23/2009 16:00	32	1.3	2.9	39	-9.1	15.6	63
1/23/2009 17:00	26	1.7	3.8	39	-9.5	14.9	66
1/23/2009 18:00	20	1.0	2.2	352	-10.9	12.4	71
1/23/2009 19:00	23	0.5	1.1	317	-12.9	8.8	76
1/23/2009 20:00	17	0.6	1.3	245	-13.4	7.9	77
1/23/2009 21:00	29	0.3	0.7	242	-13.4	7.9	78
1/23/2009 22:00	21	0.4	0.9	162	-12.9	8.8	78
1/23/2009 23:00	24	0.4	0.9	172	-11.7	10.9	73
1/24/2009 0:00	30	0.4	0.9	123	-11.6	11.1	74
1/24/2009 1:00	15	0.4	0.9	200	-12.7	9.1	78
1/24/2009 2:00	21	0.4	0.9	303	-13.5	7.7	80
1/24/2009 3:00	11	0.8	1.8	333	-13.2	8.2	79
1/24/2009 4:00	16	0.8	1.8	328	-13.5	7.7	78
1/24/2009 5:00	18	0.4	0.9	35	-13.5	7.7	78
1/24/2009 6:00	14	0.4	0.9	37	-13.3	8.1	78
1/24/2009 7:00	18	1.5	3.4	1	-13.1	8.4	78
1/24/2009 8:00	22	1.6	3.6	3	-13.2	8.2	79
1/24/2009 9:00	31	0.7	1.6	287	-13.3	8.1	79
1/24/2009 10:00	14	0.7	1.6	354	-11.8	10.8	74
1/24/2009 11:00	19	0.6	1.3	350	-10.7	12.7	71
1/24/2009 12:00	12	0.7	1.6	3	-9.2	15.4	68
1/24/2009 13:00	23	1.3	2.9	45	-8.1	17.4	68
1/24/2009 14:00	18	2.0	4.5	14	-8.0	17.6	69
1/24/2009 15:00	23	2.1	4.7	18	-7.9	17.8	69
1/24/2009 16:00	16	1.8	4.0	9	-8.0	17.6	67
1/24/2009 17:00	31	1.9	4.3	20	-8.5	16.7	72
1/24/2009 18:00	20	2.5	5.6	21	-10.2	13.6	76
1/24/2009 19:00	12	2.2	4.9	10	-11.5	11.3	78
1/24/2009 20:00	15	2.0	4.5	15	-12.4	9.7	78
1/24/2009 21:00	35	2.1	4.7	11	-13.4	7.9	77
1/24/2009 22:00	0	2.4	5.4	10	-14.7	5.5	76
1/24/2009 23:00	14	2.3	5.1	14	-15.8	3.6	75
1/25/2009 0:00	51	2.5	5.6	9	-16.5	2.3	75
1/25/2009 1:00	25	2.3	5.1	6	-17.2	1.0	74
1/25/2009 2:00	27	2.5	5.6	8	-17.7	0.1	74
1/25/2009 3:00	9	2.1	4.7	12	-18.1	-0.6	73
1/25/2009 4:00	9	2.2	4.9	9	-18.5	-1.3	73
1/25/2009 5:00	13	2.1	4.7	10	-18.9	-2.0	72
1/25/2009 6:00	4	2.2	4.9	12	-19.3	-2.7	72
1/25/2009 7:00	12	2.2	4.9	17	-19.3	-2.7	71
1/25/2009 8:00	7	1.9	4.3	12	-19.3	-2.7	71
1/25/2009 9:00	6	1.6	3.6	22	-19.1	-2.4	70
1/25/2009 10:00	4	1.3	2.9	22	-18.7	-1.7	69
1/25/2009 11:00	9	0.8	1.8	34	-17.2	1.0	66
1/25/2009 12:00	8	1.2	2.7	24	-16.6	2.1	63
1/25/2009 13:00	-1	1.5	3.4	13	-16.6	2.1	62
1/25/2009 14:00	-1	1.0	2.2	349	-15.4	4.3	59
1/25/2009 15:00	7	1.7	3.8	18	-15.1	4.8	59
1/25/2009 16:00	1	2.8	6.3	7	-14.9	5.2	57
1/25/2009 17:00	3	2.7	6.0	4	-15.3	4.5	55
1/25/2009 18:00	7	2.1	4.7	355	-17.0	1.4	51
1/25/2009 19:00	4	0.8	1.8	251	-19.1	-2.4	52
1/25/2009 20:00	10	0.7	1.6	231	-21.2	-6.2	54
1/25/2009 21:00	26	0.7	1.6	173	-23.8	-10.8	64
1/25/2009 22:00	12	0.7	1.6	193	-23.8	-10.8	65
1/25/2009 23:00	20	0.6	1.3	225	-24.5	-12.1	65
1/26/2009 0:00	15	0.6	1.3	209	-24.8	-12.6	68
1/26/2009 1:00	29	0.6	1.3	201	-24.8	-12.6	69
1/26/2009 2:00	13	0.6	1.3	181	-25.3	-13.5	68
1/26/2009 3:00	2	0.6	1.3	225	-25.4	-13.7	66
1/26/2009 4:00	4	0.9	2.0	193	-25.7	-14.3	67
1/26/2009 5:00	12	0.6	1.3	206	-26.8	-16.2	67
1/26/2009 6:00	3	0.7	1.6	202	-27.2	-17.0	68
1/26/2009 7:00	12	0.6	1.3	205	-27.0	-16.6	67
1/26/2009 8:00	9	0.6	1.3	200	-27.8	-18.0	68
1/26/2009 9:00	12	0.9	2.0	188	-26.9	-16.4	63
1/26/2009 10:00	-5	1.3	2.9	182	-23.1	-9.6	50
1/26/2009 11:00	2	1.4	3.1	163	-20.0	-4.0	47
1/26/2009 12:00	-5	1.4	3.1	157	-16.7	1.9	41
1/26/2009 13:00	2	0.8	1.8	216	-14.2	6.4	29
1/26/2009 14:00	-4	1.0	2.2	43	-13.9	7.0	31
1/26/2009 15:00	6	1.1	2.5	29	-13.2	8.2	32
1/26/2009 16:00	11	1.2	2.7	34	-13.8	7.2	35
1/26/2009 17:00	BA	0.9	2.0	16	-14.2	6.4	40
1/26/2009 18:00	11	1.0	2.2	296	-18.3	-0.9	50
1/26/2009 19:00	12	0.5	1.1	204	-24.0	-11.2	61
1/26/2009 20:00	8	1.1	2.5	178	-23.7	-10.7	67
1/26/2009 21:00	2	1.3	2.9	196	-22.9	-9.2	66
1/26/2009 22:00	-2	2.3	5.1	178	-21.8	-7.2	61
1/26/2009 23:00	9	3.0	6.7	170	-21.6	-6.9	60
1/27/2009 0:00	4	2.5	5.6	178	-21.8	-7.2	60

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
1/27/2009 3:00	0	1.9	4.3	161	-22.3	-8.1	60
1/27/2009 4:00	2	2.5	5.6	156	-22.0	-7.6	59
1/27/2009 5:00	1	1.3	2.9	126	-22.7	-8.9	60
1/27/2009 6:00	.5	2.5	5.6	153	-21.9	-7.4	59
1/27/2009 7:00	1	2.7	6.0	150	-20.7	-5.3	58
1/27/2009 8:00	.5	2.0	4.5	164	-19.2	-2.6	58
1/27/2009 9:00	4	2.6	5.8	172	-18.0	-0.4	55
1/27/2009 10:00	-1	2.7	6.0	169	-16.4	2.5	52
1/27/2009 11:00	0	3.7	8.3	163	-14.3	6.3	48
1/27/2009 12:00	3	2.9	6.5	184	-10.0	14.0	40
1/27/2009 13:00	1	3.1	6.9	164	-7.1	19.2	43
1/27/2009 14:00	9	2.2	4.9	178	-5.5	22.1	46
1/27/2009 15:00	10	2.8	6.3	190	-2.9	26.8	41
1/27/2009 16:00	25	4.6	10.3	226	-2.6	27.3	46
1/27/2009 17:00	49	4.7	10.5	222	-2.9	26.8	53
1/27/2009 18:00	81	6.6	14.8	231	-3.6	25.5	60
1/27/2009 19:00	77	6.6	14.8	231	-3.9	25.0	62
1/27/2009 20:00	11	6.3	14.1	235	-3.8	25.2	62
1/27/2009 21:00	17	5.4	12.1	230	-3.6	25.5	61
1/27/2009 22:00	13	5.6	12.5	232	-3.7	25.3	63
1/27/2009 23:00	21	5.5	12.3	234	-3.9	25.0	62
1/28/2009 0:00	8	3.8	8.5	241	-3.6	25.5	64
1/28/2009 1:00	11	3.1	6.9	272	-1.8	28.8	67
1/28/2009 2:00	24	3.7	8.3	288	-1.2	29.8	58
1/28/2009 3:00	15	2.2	4.9	305	-2.2	28.0	66
1/28/2009 4:00	3	1.6	3.6	299	-2.7	27.1	70
1/28/2009 5:00	4	1.4	3.1	119	-3.3	26.1	63
1/28/2009 6:00	-3	1.3	2.9	246	-3.2	26.2	72
1/28/2009 7:00	0	2.6	5.8	273	-2.5	27.5	66
1/28/2009 8:00	17	2.9	6.5	287	-2.5	27.5	68
1/28/2009 9:00	-4	2.8	6.3	276	-2.4	27.7	68
1/28/2009 10:00	29	3.3	7.4	287	-1.8	28.8	66
1/28/2009 11:00	10	3.2	7.2	297	-1.6	29.1	66
1/28/2009 12:00	3	3.5	7.8	286	-1.0	30.2	62
1/28/2009 13:00	3	4.2	9.4	289	-0.2	31.6	58
1/28/2009 14:00	22	4.4	9.8	291	-0.1	31.8	56
1/28/2009 15:00	7	4.5	10.1	294	0.0	32.0	53
1/28/2009 16:00	24	4.2	9.4	293	-0.3	31.5	53
1/28/2009 17:00	20	2.9	6.5	298	-1.7	28.9	63
1/28/2009 18:00	13	3.4	7.6	282	-2.2	28.0	67
1/28/2009 19:00	2	3.4	7.6	286	-2.3	27.9	58
1/28/2009 20:00	3	3.2	7.2	295	-2.4	27.7	61
1/28/2009 21:00	6	3.4	7.6	294	-2.7	27.1	65
1/28/2009 22:00	17	4.0	8.9	289	-2.6	27.3	64
1/28/2009 23:00	-2	2.9	6.5	294	-2.6	27.3	63
1/29/2009 0:00	-3	2.1	4.7	301	-2.8	27.0	64
1/29/2009 1:00	10	3.0	6.7	302	-2.4	27.7	59
1/29/2009 2:00	-1	2.8	6.3	300	-2.1	28.2	57
1/29/2009 3:00	0	2.4	5.4	299	-2.1	28.2	55
1/29/2009 4:00	-1	1.5	3.4	311	-2.4	27.7	56
1/29/2009 5:00	2	2.5	5.6	296	-2.2	28.0	55
1/29/2009 6:00	-3	1.6	3.6	277	-2.7	27.1	56
1/29/2009 7:00	-2	2.7	6.0	262	-3.1	26.4	57
1/29/2009 8:00	2	3.2	7.2	251	-2.6	27.3	56
1/29/2009 9:00	-5	2.9	6.5	253	-2.0	28.4	55
1/29/2009 10:00	7	3.6	8.1	255	-1.3	29.7	55
1/29/2009 11:00	-3	3.5	7.8	242	-0.6	30.9	55
1/29/2009 12:00	5	4.2	9.4	246	0.2	32.4	55
1/29/2009 13:00	1	3.9	8.7	249	1.1	34.0	55
1/29/2009 14:00	5	3.8	8.5	273	2.4	36.3	53
1/29/2009 15:00	11	5.1	11.4	288	2.7	36.9	54
1/29/2009 16:00	125	4.4	9.8	301	3.4	38.1	54
1/29/2009 17:00	38	3.3	7.4	300	3.9	39.0	53
1/29/2009 18:00	9	3.7	8.3	297	3.1	37.6	55
1/29/2009 19:00	5	3.6	8.1	317	1.6	34.9	60
1/29/2009 20:00	2	2.5	5.6	325	0.2	32.4	65
1/29/2009 21:00	0	1.4	3.1	222	-0.7	30.7	68
1/29/2009 22:00	2	1.1	2.5	301	-1.6	29.1	71
1/29/2009 23:00	-5	2.2	4.9	255	-1.2	29.8	69
1/30/2009 0:00	-5	3.5	7.8	248	0.7	33.3	61
1/30/2009 1:00	1	1.7	3.8	278	0.2	32.4	62
1/30/2009 2:00	-1	1.1	2.5	284	-0.4	31.3	64
1/30/2009 3:00	3	0.9	2.0	175	-2.5	27.5	72
1/30/2009 4:00	2	1.1	2.5	272	-2.3	27.9	71
1/30/2009 5:00	-1	2.7	6.0	230	-0.2	31.6	64
1/30/2009 6:00	-3	3.9	8.7	224	0.2	32.4	62
1/30/2009 7:00	6	3.3	7.4	212	-0.4	31.3	63
1/30/2009 8:00	-5	2.8	6.3	199	-2.2	28.0	67
1/30/2009 9:00	11	2.0	4.5	175	-2.5	27.5	67
1/30/2009 10:00	-2	1.4	3.1	183	-2.7	27.1	68
1/30/2009 11:00	1	1.9	4.3	186	0.8	33.4	56
1/30/2009 12:00	7	2.6	5.8	187	2.8	37.0	49
1/30/2009 13:00	3	3.0	6.7	201	4.4	39.9	42
1/30/2009 14:00	3	2.3	5.1	185	6.0	42.8	39
1/30/2009 15:00	6	3.0	6.7	186	7.9	46.2	33
1/30/2009 16:00	4	2.5	5.6	188	7.9	46.2	33
1/30/2009 17:00	3	2.5	5.6	178	7.2	45.0	35
1/30/2009 18:00	-3	2.3	5.1	196	5.6	42.1	37
1/30/2009 19:00	2	1.6	3.6	185	3.6	38.5	44
1/30/2009 20:00	1	2.7	6.0	211	4.1	39.4	40
1/30/2009 21:00	1	3.1	6.9	213	3.7	38.7	41

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
1/30/2009 22:00	6	2.9	6.5	193	3.5	38.3	40
1/30/2009 23:00	9	3.6	8.1	181	3.2	37.8	40
1/31/2009 0:00	5	3.3	7.4	182	2.8	37.0	40
1/31/2009 1:00	3	3.9	8.7	210	2.3	36.1	41
1/31/2009 2:00	27	7.0	15.7	229	2.5	36.5	39
1/31/2009 3:00	6	8.5	19.0	239	2.3	36.1	39
1/31/2009 4:00	5	7.7	17.2	241	2.1	35.8	40
1/31/2009 5:00	4	7.6	17.0	237	2.5	36.5	39
1/31/2009 6:00	10	5.4	12.1	235	2.7	36.9	39
1/31/2009 7:00	-4	5.1	11.4	238	3.0	37.4	39
1/31/2009 8:00	19	5.6	12.5	243	3.0	37.4	41
1/31/2009 9:00	3	4.4	9.8	249	2.3	36.1	44
1/31/2009 10:00	-2	5.9	13.2	242	2.9	37.2	43
1/31/2009 11:00	11	7.6	17.0	244	3.2	37.8	42
1/31/2009 12:00	5	7.0	15.7	251	3.7	38.7	41
1/31/2009 13:00	8	6.8	15.2	250	3.6	38.5	39
1/31/2009 14:00	0	5.4	12.1	260	3.9	39.0	38
1/31/2009 15:00	11	5.2	11.6	284	3.4	38.1	34
1/31/2009 16:00	32	6.0	13.4	275	2.8	37.0	32
1/31/2009 17:00	40	6.1	13.6	268	1.8	35.2	34
1/31/2009 18:00	39	2.4	5.4	219	0.0	32.0	37
1/31/2009 19:00	21	2.1	4.7	17	-0.9	30.4	39
1/31/2009 20:00	-2	2.6	5.8	321	-1.3	29.7	38
1/31/2009 21:00	5	1.4	3.1	71	-2.3	27.9	43
1/31/2009 22:00	-2	2.6	5.8	277	-2.8	27.0	43
1/31/2009 23:00	7	3.7	8.3	287	-3.3	26.1	42
2/1/2009 0:00	3	3.9	8.7	276	-4.2	24.4	46

AV = Power outage

BA = Routine maintenance / repairs

Table 6
Warm Springs Site Hourly Average Data
Met One E-BAM
January 2009

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
1/1/2009 1:00	-5	1.1	2.5	88	-4.2	24.4	73
1/1/2009 2:00	0	1.3	2.9	243	-4.9	23.2	67
1/1/2009 3:00	-5	1.2	2.7	226	-4.8	23.4	63
1/1/2009 4:00	6	1.0	2.2	193	-5.3	22.5	65
1/1/2009 5:00	-3	1.3	2.9	263	-5.7	21.7	67
1/1/2009 6:00	-3	1.4	3.1	317	-6.7	19.9	76
1/1/2009 7:00	-5	0.7	1.6	226	-6.6	20.1	78
1/1/2009 8:00	6	0.6	1.3	204	-6.7	19.9	80
1/1/2009 9:00	-5	0.5	1.1	191	-6.8	19.8	80
1/1/2009 10:00	-5	1.3	2.9	156	-4.7	23.5	70
1/1/2009 11:00	-1	2.0	4.5	193	-3.1	26.4	66
1/1/2009 12:00	2	2.3	5.1	173	-2.2	28.0	74
1/1/2009 13:00	0	3.6	8.1	150	-1.7	28.9	76
1/1/2009 14:00	-3	4.0	8.9	144	-1.3	29.7	76
1/1/2009 15:00	-2	3.4	7.6	163	-0.5	31.1	73
1/1/2009 16:00	BA	3.2	7.2	171	0.9	33.6	68
1/1/2009 17:00	10	3.2	7.2	165	1.1	34.0	72
1/1/2009 18:00	-5	3.7	8.3	171	1.6	34.9	74
1/1/2009 19:00	-1	3.8	8.5	176	2.1	35.8	74
1/1/2009 20:00	2	4.2	9.4	187	2.7	36.9	72
1/1/2009 21:00	-2	3.3	7.4	194	2.8	37.0	72
1/1/2009 22:00	0	2.7	6.0	199	3.0	37.4	73
1/1/2009 23:00	-5	2.7	6.0	214	3.3	37.9	68
1/2/2009 0:00	-2	2.0	4.5	200	2.7	36.9	70
1/2/2009 1:00	-4	1.3	2.9	135	2	35.6	78
1/2/2009 2:00	-5	1.1	2.5	330	0.9	33.6	86
1/2/2009 3:00	8	0.5	1.1	251	0.2	32.4	89
1/2/2009 4:00	-5	1.0	2.2	324	0.4	32.7	90
1/2/2009 5:00	-5	4.9	11.0	196	3.5	38.3	79
1/2/2009 6:00	8	5.1	11.4	197	3.5	38.3	79
1/2/2009 7:00	-1	4.9	11.0	200	3.5	38.3	79
1/2/2009 8:00	3	1.9	4.3	212	3.7	38.7	77
1/2/2009 9:00	-5	2.5	5.6	188	3.1	37.6	79
1/2/2009 10:00	-4	2.6	5.8	175	2.7	36.9	83
1/2/2009 11:00	10	3.8	8.5	162	2.9	37.2	82
1/2/2009 12:00	AV	AV	AV	AV	AV	AV	AV
1/2/2009 13:00	AV	AV	AV	AV	AV	AV	AV
1/2/2009 14:00	AV	AV	AV	AV	AV	AV	AV
1/2/2009 15:00	AV	2.7	6.0	271	1.5	34.7	62
1/2/2009 16:00	-5	3.4	7.6	279	0.5	32.9	51
1/2/2009 17:00	-4	AO	AO	290	-0.7	30.7	52
1/2/2009 18:00	-5	AO	AO	234	-3.0	26.6	70
1/2/2009 19:00	-5	AO	AO	269	-3.9	25.0	62
1/2/2009 20:00	-3	AO	AO	258	-4.3	24.3	58
1/2/2009 21:00	-1	AO	AO	250	-5.2	22.6	58
1/2/2009 22:00	-5	AO	AO	266	-5.7	21.7	53
1/2/2009 23:00	-4	AO	AO	322	-7.0	19.4	61
1/3/2009 0:00	1	AO	AO	260	-7.4	18.7	60
1/3/2009 1:00	-5	AO	AO	244	-8.0	17.6	55
1/3/2009 2:00	1	AO	AO	242	-8.7	16.3	52
1/3/2009 3:00	-5	AO	AO	222	-10.2	13.6	53
1/3/2009 4:00	-3	AO	AO	131	-11.9	10.6	61
1/3/2009 5:00	7	AO	AO	211	-10.9	12.4	59
1/3/2009 6:00	1	AO	AO	209	-10.1	13.8	58
1/3/2009 7:00	-5	AO	AO	230	-9.9	14.2	51
1/3/2009 8:00	-5	AO	AO	247	-10.9	12.4	52
1/3/2009 9:00	6	AO	AO	257	-11.7	10.9	51
1/3/2009 10:00	-5	AO	AO	269	-9.9	14.2	44
1/3/2009 11:00	-1	AO	AO	47	-9.4	15.1	44
1/3/2009 12:00	7	AO	AO	35	-8.4	16.9	41
1/3/2009 13:00	-5	AO	AO	54	-8.1	17.4	39
1/3/2009 14:00	-5	AO	AO	325	-7.3	18.9	35
1/3/2009 15:00	1	AO	AO	29	-7.2	19.0	35
1/3/2009 16:00	3	AO	AO	10	-7.4	18.7	38
1/3/2009 17:00	-3	AO	AO	14	-8.9	16.0	43
1/3/2009 18:00	-1	AO	AO	314	-12.6	9.3	60
1/3/2009 19:00	-2	AO	AO	214	-15.5	4.1	68
1/3/2009 20:00	-1	AO	AO	171	-14.7	5.5	62
1/3/2009 21:00	-5	AO	AO	190	-13.6	7.5	57
1/3/2009 22:00	-5	AO	AO	209	-11.6	11.1	52
1/3/2009 23:00	-4	AO	AO	172	-13.3	8.1	57
1/4/2009 0:00	-5	AO	AO	169	-13.9	7.0	58
1/4/2009 1:00	14	AO	AO	180	-14.7	5.5	61
1/4/2009 2:00	-5	AO	AO	150	-15.2	4.6	63
1/4/2009 3:00	-5	AO	AO	157	-16	3.2	65
1/4/2009 4:00	-4	1.9	4.3	168	-16.1	3.0	65
1/4/2009 5:00	3	3.2	7.2	185	-16.5	2.3	63
1/4/2009 6:00	-5	3.0	6.7	180	-16.8	1.8	63
1/4/2009 7:00	9	2.8	6.3	178	-16.9	1.6	64
1/4/2009 8:00	7	3.0	6.7	182	-16.7	1.9	63
1/4/2009 9:00	-4	3.1	6.9	179	-17.0	1.4	62
1/4/2009 10:00	5	3.4	7.6	186	-15.0	5.0	56
1/4/2009 11:00	-3	3.2	7.2	178	-11.3	11.7	51
1/4/2009 12:00	-1	3.8	8.5	175	-8.4	16.9	44
1/4/2009 13:00	-5	4.3	9.6	187	-7.2	19.0	41

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
1/4/2009 14:00	-2	4.4	9.8	184	-6.7	19.9	41
1/4/2009 15:00	-2	4.2	9.4	177	-5.9	21.4	39
1/4/2009 16:00	1	4.2	9.4	180	-5.7	21.7	37
1/4/2009 17:00	4	4.4	9.8	174	-6.4	20.5	38
1/4/2009 18:00	-5	4.2	9.4	164	-7.7	18.1	42
1/4/2009 19:00	-5	4.6	10.3	172	-8.2	17.2	44
1/4/2009 20:00	-5	4.2	9.4	178	-8.0	17.6	43
1/4/2009 21:00	-3	4.9	11.0	170	-7.6	18.3	42
1/4/2009 22:00	-5	5.5	12.3	169	-7.1	19.2	40
1/4/2009 23:00	6	5.4	12.1	163	-6.7	19.9	40
1/5/2009 0:00	-5	5.1	11.4	169	-6.0	21.2	37
1/5/2009 1:00	-1	6.0	13.4	156	-5.7	21.7	36
1/5/2009 2:00	6	7.3	16.3	164	-4.9	23.2	33
1/5/2009 3:00	-5	6.9	15.4	170	-5.0	23.0	39
1/5/2009 4:00	-2	6.7	15.0	173	-4.3	24.3	46
1/5/2009 5:00	16	6.9	15.4	163	-4.7	23.5	60
1/5/2009 6:00	0	6.3	14.1	155	-4.7	23.5	62
1/5/2009 7:00	4	5.7	12.8	157	-4.5	23.9	62
1/5/2009 8:00	0	6.1	13.6	162	-4.5	23.9	64
1/5/2009 9:00	-5	5.8	13.0	168	-4.4	24.1	64
1/5/2009 10:00	3	5.6	12.5	163	-4.1	24.6	63
1/5/2009 11:00	-4	4.9	11.0	170	-4.0	24.8	67
1/5/2009 12:00	-5	4.5	10.1	178	-3.1	26.4	64
1/5/2009 13:00	6	4.7	10.5	189	-2.4	27.7	62
1/5/2009 14:00	-3	5.0	11.2	208	-0.9	30.4	58
1/5/2009 15:00	-5	4.9	11.0	208	-0.9	30.4	59
1/5/2009 16:00	-5	4.4	9.8	205	-1.2	29.8	62
1/5/2009 17:00	2	4.1	9.2	211	-1.3	29.7	62
1/5/2009 18:00	-5	4.1	9.2	219	-0.7	30.7	61
1/5/2009 19:00	1	3.5	7.8	235	0.0	32.0	60
1/5/2009 20:00	-5	1.3	2.9	266	-0.6	30.9	62
1/5/2009 21:00	-5	1.3	2.9	264	-0.6	30.9	60
1/5/2009 22:00	-3	1.7	3.8	249	-0.5	31.1	59
1/5/2009 23:00	1	2.9	6.5	214	0.6	33.1	55
1/6/2009 0:00	-5	1.6	3.6	212	0.7	33.3	54
1/6/2009 1:00	4	1.4	3.1	173	0.7	33.3	54
1/6/2009 2:00	-4	2.3	5.1	187	0.9	33.6	55
1/6/2009 3:00	3	2.0	4.5	220	0.8	33.4	55
1/6/2009 4:00	-5	2.8	6.3	234	0.9	33.6	55
1/6/2009 5:00	-5	3.1	6.9	232	0.8	33.4	55
1/6/2009 6:00	2	3.9	8.7	230	1.2	34.2	55
1/6/2009 7:00	1	5.4	12.1	240	0.4	32.7	65
1/6/2009 8:00	-3	4.1	9.2	243	0.1	32.2	68
1/6/2009 9:00	0	3.6	8.1	253	0.0	32.0	68
1/6/2009 10:00	-5	2.1	4.7	249	-0.1	31.8	67
1/6/2009 11:00	-5	3.1	6.9	212	1.6	34.9	56
1/6/2009 12:00	0	1.9	4.3	186	1.9	35.4	56
1/6/2009 13:00	-5	2.9	6.5	201	2.1	35.8	55
1/6/2009 14:00	-5	2.8	6.3	194	1.8	35.2	60
1/6/2009 15:00	-5	2.7	6.0	206	2.1	35.8	59
1/6/2009 16:00	3	3.0	6.7	211	1.6	34.9	63
1/6/2009 17:00	3	3.6	8.1	210	1.0	33.8	68
1/6/2009 18:00	2	4.5	10.1	193	1.1	34.0	68
1/6/2009 19:00	2	3.7	8.3	188	1.2	34.2	71
1/6/2009 20:00	-5	3.5	7.8	167	1.8	35.2	69
1/6/2009 21:00	-2	3.9	8.7	148	2.4	36.3	69
1/6/2009 22:00	-5	4.0	8.9	138	3.3	37.9	68
1/6/2009 23:00	1	2.5	5.6	157	3.8	38.8	68
1/7/2009 0:00	7	1.9	4.3	207	4.5	40.1	69
1/7/2009 1:00	-3	4.3	9.6	267	5.0	41.0	69
1/7/2009 2:00	2	4.4	9.8	268	4.8	40.6	71
1/7/2009 3:00	-5	4.4	9.8	269	4.6	40.3	73
1/7/2009 4:00	1	3.3	7.4	273	4.6	40.3	75
1/7/2009 5:00	1	3.4	7.6	273	4.5	40.1	76
1/7/2009 6:00	1	3.6	8.1	265	4.8	40.6	72
1/7/2009 7:00	-4	2.9	6.5	234	4.9	40.8	70
1/7/2009 8:00	-3	1.3	2.9	126	4.5	40.1	70
1/7/2009 9:00	0	1.5	3.4	66	5.0	41.0	68
1/7/2009 10:00	-5	1.5	3.4	104	5.0	41.0	67
1/7/2009 11:00	-1	1.7	3.8	124	5.6	42.1	66
1/7/2009 12:00	-1	1.3	2.9	138	5.9	42.6	65
1/7/2009 13:00	-2	1.5	3.4	116	5.7	42.3	66
1/7/2009 14:00	1	1.8	4.0	136	5.9	42.6	65
1/7/2009 15:00	-5	2.7	6.0	165	5.6	42.1	67
1/7/2009 16:00	4	2.6	5.8	161	5.3	41.5	68
1/7/2009 17:00	-2	2.3	5.1	151	4.6	40.3	71
1/7/2009 18:00	1	2.8	6.3	149	4.5	40.1	72
1/7/2009 19:00	3	3.1	6.9	149	4.5	40.1	72
1/7/2009 20:00	-5	3.7	8.3	168	4.6	40.3	71
1/7/2009 21:00	10	4.1	9.2	165	4.9	40.8	71
1/7/2009 22:00	-5	4.2	9.4	157	5.2	41.4	69
1/7/2009 23:00	-1	4.5	10.1	162	5.0	41.0	70
1/8/2009 0:00	0	4.9	11.0	173	5.0	41.0	70
1/8/2009 1:00	-3	5.2	11.6	175	5.1	41.2	71
1/8/2009 2:00	-5	4.5	10.1	156	5.0	41.0	71
1/8/2009 3:00	-4	4.9	11.0	186	5.3	41.5	70
1/8/2009 4:00	7	5.5	12.3	201	5.6	42.1	68
1/8/2009 5:00	4	6.3	14.1	201	5.5	41.9	70
1/8/2009 6:00	-3	6.9	15.4	196	5.3	41.5	71
1/8/2009 7:00	-5	7.2	16.1	199	5.3	41.5	71

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
1/8/2009 8:00	-3	6.2	13.9	191	4.9	40.8	72
1/8/2009 9:00	-5	6.3	14.1	194	5.1	41.2	71
1/8/2009 10:00	-5	6.4	14.3	193	5.1	41.2	70
1/8/2009 11:00	1	6.5	14.5	196	4.9	40.8	72
1/8/2009 12:00	-5	6.2	13.9	196	5.0	41.0	72
1/8/2009 13:00	-3	6.2	13.9	202	5.3	41.5	69
1/8/2009 14:00	8	4.7	10.5	228	4.0	39.2	76
1/8/2009 15:00	-5	2.7	6.0	230	4.4	39.9	70
1/8/2009 16:00	-4	3.0	6.7	208	1.8	35.2	83
1/8/2009 17:00	-2	1.6	3.6	195	3.0	37.4	65
1/8/2009 18:00	2	1.8	4.0	237	3.1	37.6	58
1/8/2009 19:00	-5	1.8	4.0	237	2.0	35.6	61
1/8/2009 20:00	-4	4.8	10.7	260	1.7	35.1	61
1/8/2009 21:00	3	3.0	6.7	277	1.4	34.5	59
1/8/2009 22:00	-3	2.8	6.3	202	1.9	35.4	55
1/8/2009 23:00	-3	4.6	10.3	227	1.4	34.5	61
1/9/2009 0:00	3	4.5	10.1	237	1.5	34.7	61
1/9/2009 1:00	-2	4.0	8.9	235	1.1	34.0	66
1/9/2009 2:00	3	3.1	6.9	256	1.2	34.2	66
1/9/2009 3:00	2	0.9	2.0	279	0.6	33.1	70
1/9/2009 4:00	-5	0.8	1.8	279	0.8	33.4	68
1/9/2009 5:00	4	1.0	2.2	17	0.8	33.4	68
1/9/2009 6:00	4	0.9	2.0	23	0.8	33.4	65
1/9/2009 7:00	3	0.9	2.0	8	0.2	32.4	69
1/9/2009 8:00	7	0.7	1.6	112	-0.9	30.4	73
1/9/2009 9:00	-5	0.6	1.3	322	-0.8	30.6	73
1/9/2009 10:00	-5	2.5	5.6	265	-0.2	31.6	66
1/9/2009 11:00	-1	4.3	9.6	245	2.4	36.3	51
1/9/2009 12:00	-1	4.5	10.1	253	2.9	37.2	46
1/9/2009 13:00	1	5.9	13.2	247	2.7	36.9	47
1/9/2009 14:00	-5	5.0	11.2	247	2.4	36.3	46
1/9/2009 15:00	12	4.8	10.7	250	2.3	36.1	42
1/9/2009 16:00	-5	4.6	10.3	253	2.1	35.8	39
1/9/2009 17:00	6	4.0	8.9	252	1.5	34.7	40
1/9/2009 18:00	0	2.8	6.3	260	-0.3	31.5	48
1/9/2009 19:00	-5	1.4	3.1	202	-1.3	29.7	55
1/9/2009 20:00	-5	3.4	7.6	239	-0.2	31.6	48
1/9/2009 21:00	-3	3.4	7.6	225	0.0	32.0	47
1/9/2009 22:00	5	3.3	7.4	228	-0.6	30.9	50
1/9/2009 23:00	-5	3.6	8.1	209	-0.4	31.3	51
1/10/2009 0:00	-4	2.5	5.6	167	-1.0	30.2	56
1/10/2009 1:00	-2	2.8	6.3	165	-0.5	31.1	54
1/10/2009 2:00	-5	2.5	5.6	190	-0.4	31.3	54
1/10/2009 3:00	-3	4.1	9.2	215	0.5	32.9	49
1/10/2009 4:00	-5	5.2	11.6	236	1.6	34.9	44
1/10/2009 5:00	-5	5.2	11.6	244	1.8	35.2	41
1/10/2009 6:00	6	4.9	11.0	245	2.0	35.6	39
1/10/2009 7:00	-3	3.5	7.8	249	1.2	34.2	43
1/10/2009 8:00	-5	5.0	11.2	248	2.0	35.6	42
1/10/2009 9:00	-1	3.1	6.9	217	1.7	35.1	45
1/10/2009 10:00	4	1.6	3.6	162	1.2	34.2	49
1/10/2009 11:00	-5	2.1	4.7	156	1.8	35.2	49
1/10/2009 12:00	-2	2.4	5.4	173	2.4	36.3	51
1/10/2009 13:00	-5	3.0	6.7	210	3.2	37.8	50
1/10/2009 14:00	10	3.1	6.9	234	3.4	38.1	53
1/10/2009 15:00	-4	2.7	6.0	227	2.9	37.2	58
1/10/2009 16:00	-3	3.5	7.8	240	2.9	37.2	57
1/10/2009 17:00	6	4.4	9.8	240	2.4	36.3	58
1/10/2009 18:00	0	4.1	9.2	240	1.9	35.4	57
1/10/2009 19:00	3	3.6	8.1	232	1.4	34.5	58
1/10/2009 20:00	-5	2.7	6.0	215	1.1	34.0	60
1/10/2009 21:00	6	0.8	1.8	309	-1.1	30.0	75
1/10/2009 22:00	-5	1.5	3.4	216	-0.3	31.5	72
1/10/2009 23:00	-5	2.0	4.5	215	0.4	32.7	68
1/11/2009 0:00	-2	2.4	5.4	206	0.6	33.1	69
1/11/2009 1:00	2	1.9	4.3	217	0.8	33.4	67
1/11/2009 2:00	-2	1.0	2.2	206	0.3	32.5	70
1/11/2009 3:00	11	1.1	2.5	177	-0.3	31.5	81
1/11/2009 4:00	-2	2.3	5.1	183	0.3	32.5	75
1/11/2009 5:00	-4	2.1	4.7	175	0.9	33.6	68
1/11/2009 6:00	-5	2.7	6.0	197	1.4	34.5	66
1/11/2009 7:00	-2	1.4	3.1	3	-0.8	30.6	80
1/11/2009 8:00	-4	1.1	2.5	354	-0.9	30.4	82
1/11/2009 9:00	-5	1.3	2.9	255	0.0	32.0	76
1/11/2009 10:00	-2	1.7	3.8	188	2.4	36.3	64
1/11/2009 11:00	2	2.3	5.1	182	4.0	39.2	55
1/11/2009 12:00	-2	2.6	5.8	199	5.1	41.2	51
1/11/2009 13:00	-2	2.3	5.1	234	5.5	41.9	50
1/11/2009 14:00	-2	2.5	5.6	316	5.8	42.4	50
1/11/2009 15:00	1	4.3	9.6	296	6.1	43.0	49
1/11/2009 16:00	2	5.9	13.2	292	6.7	44.1	47
1/11/2009 17:00	-1	4.7	10.5	304	6.0	42.8	49
1/11/2009 18:00	12	1.1	2.5	33	4.4	39.9	57
1/11/2009 19:00	-1	1.4	3.1	50	3.5	38.3	62
1/11/2009 20:00	6	1.6	3.6	9	3.7	38.7	60
1/11/2009 21:00	-3	3.0	6.7	309	4.4	39.9	54
1/11/2009 22:00	-3	2.0	4.5	337	3.9	39.0	54
1/11/2009 23:00	0	1.6	3.6	44	2.0	35.6	73
1/12/2009 0:00	-5	1.9	4.3	7	1.8	35.2	72
1/12/2009 1:00	-4	2.9	6.5	348	2.5	36.5	63

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
1/12/2009 2:00	4	4.7	10.5	318	1.9	35.4	65
1/12/2009 3:00	2	2.2	4.9	17	1.8	35.2	60
1/12/2009 4:00	6	2.2	4.9	9	1.2	34.2	67
1/12/2009 5:00	4	1.7	3.8	2	0.2	32.4	69
1/12/2009 6:00	-5	1.3	2.9	18	-0.9	30.4	72
1/12/2009 7:00	-5	1.3	2.9	17	-1.5	29.3	73
1/12/2009 8:00	0	1.3	2.9	354	-1.0	30.2	72
1/12/2009 9:00	-5	1.0	2.2	135	-1.4	29.5	73
1/12/2009 10:00	-2	1.3	2.9	119	0.7	33.3	61
1/12/2009 11:00	-5	1.2	2.7	201	2.6	36.7	51
1/12/2009 12:00	-5	1.2	2.7	136	3.7	38.7	45
1/12/2009 13:00	8	1.4	3.1	94	4.8	40.6	43
1/12/2009 14:00	-5	2.4	5.4	272	4.6	40.3	48
1/12/2009 15:00	-1	3.8	8.5	269	4.4	39.9	55
1/12/2009 16:00	-3	4.0	8.9	252	4.4	39.9	57
1/12/2009 17:00	3	3.5	7.8	260	4.3	39.7	58
1/12/2009 18:00	-4	2.9	6.5	239	3.8	38.8	60
1/12/2009 19:00	4	3.5	7.8	238	4.2	39.6	60
1/12/2009 20:00	4	1.6	3.6	295	2.3	36.1	66
1/12/2009 21:00	-5	1.8	4.0	235	1.5	34.7	70
1/12/2009 22:00	4	5.2	11.6	241	4.3	39.7	56
1/12/2009 23:00	-3	5.3	11.9	233	4.4	39.9	55
1/13/2009 0:00	4	1.5	3.4	218	3.5	38.3	59
1/13/2009 1:00	-1	3.4	7.6	209	4.6	40.3	55
1/13/2009 2:00	0	4.6	10.3	231	4.8	40.6	54
1/13/2009 3:00	-1	6.9	15.4	236	4.9	40.8	53
1/13/2009 4:00	0	6.8	15.2	240	5.0	41.0	53
1/13/2009 5:00	2	7.0	15.7	234	5.1	41.2	51
1/13/2009 6:00	7	6.2	13.9	225	5.1	41.2	51
1/13/2009 7:00	4	6.2	13.9	224	5.4	41.7	49
1/13/2009 8:00	5	6.4	14.3	217	5.3	41.5	49
1/13/2009 9:00	0	6.6	14.8	208	5.2	41.4	47
1/13/2009 10:00	-3	7.3	16.3	231	5.8	42.4	43
1/13/2009 11:00	3	4.3	9.6	244	6.4	43.5	39
1/13/2009 12:00	0	3.5	7.8	289	7.1	44.8	38
1/13/2009 13:00	10	1.7	3.8	322	7.5	45.5	37
1/13/2009 14:00	-5	5.1	11.4	265	7.5	45.5	34
1/13/2009 15:00	3	2.4	5.4	263	7.0	44.6	34
1/13/2009 16:00	0	2.8	6.3	250	7.1	44.8	34
1/13/2009 17:00	-5	4.9	11.0	251	6.6	43.9	35
1/13/2009 18:00	-5	5.4	12.1	250	5.5	41.9	37
1/13/2009 19:00	-1	4.9	11.0	251	5.1	41.2	36
1/13/2009 20:00	-1	3.9	8.7	259	5.1	41.2	35
1/13/2009 21:00	-1	1.4	3.1	273	3.9	39.0	41
1/13/2009 22:00	9	1.0	2.2	352	2.7	36.9	51
1/13/2009 23:00	-1	0.7	1.6	53	1.1	34.0	60
1/14/2009 0:00	9	1.0	2.2	6	1.3	34.3	58
1/14/2009 1:00	2	0.7	1.6	23	1.1	34.0	60
1/14/2009 2:00	9	0.8	1.8	332	0.3	32.5	65
1/14/2009 3:00	-2	0.7	1.6	323	-0.2	31.6	69
1/14/2009 4:00	-2	0.8	1.8	5	0.0	32.0	68
1/14/2009 5:00	1	0.7	1.6	14	-1.6	29.1	73
1/14/2009 6:00	-4	0.7	1.6	110	-2.1	28.2	75
1/14/2009 7:00	-5	0.7	1.6	316	-2.6	27.3	76
1/14/2009 8:00	1	0.7	1.6	48	-2.6	27.3	77
1/14/2009 9:00	-5	0.5	1.1	105	-3.0	26.6	79
1/14/2009 10:00	8	0.9	2.0	135	0.1	32.2	72
1/14/2009 11:00	-1	0.9	2.0	173	2.6	36.7	55
1/14/2009 12:00	-1	0.8	1.8	15	3.7	38.7	49
1/14/2009 13:00	-5	1.2	2.7	11	4.3	39.7	48
1/14/2009 14:00	3	2.0	4.5	4	5.2	41.4	45
1/14/2009 15:00	-2	2.0	4.5	10	5.5	41.9	45
1/14/2009 16:00	9	1.7	3.8	20	5.4	41.7	49
1/14/2009 17:00	-5	1.2	2.7	347	3.3	37.9	60
1/14/2009 18:00	6	1.1	2.5	27	3.2	37.8	61
1/14/2009 19:00	-3	0.7	1.6	57	2.8	37.0	63
1/14/2009 20:00	3	0.6	1.3	33	2.7	36.9	65
1/14/2009 21:00	-2	0.9	2.0	121	2.7	36.9	66
1/14/2009 22:00	3	0.8	1.8	293	2.4	36.3	68
1/14/2009 23:00	-1	0.7	1.6	301	1.5	34.7	73
1/15/2009 0:00	6	0.7	1.6	353	1.6	34.9	73
1/15/2009 1:00	-5	0.7	1.6	327	1.4	34.5	76
1/15/2009 2:00	3	0.6	1.3	120	1.1	34.0	78
1/15/2009 3:00	-5	0.7	1.6	169	0.9	33.6	80
1/15/2009 4:00	0	0.6	1.3	155	0.7	33.3	80
1/15/2009 5:00	9	0.6	1.3	154	0.7	33.3	81
1/15/2009 6:00	0	0.6	1.3	131	0.6	33.1	82
1/15/2009 7:00	6	0.5	1.1	145	0.1	32.2	84
1/15/2009 8:00	-5	0.5	1.1	111	-1.4	29.5	88
1/15/2009 9:00	-5	0.6	1.3	290	-2.7	27.1	88
1/15/2009 10:00	7	1.0	2.2	161	0.5	32.9	76
1/15/2009 11:00	1	1.6	3.6	170	3.8	38.8	61
1/15/2009 12:00	0	1.8	4.0	184	6.1	43.0	47
1/15/2009 13:00	-4	1.3	2.9	166	6.7	44.1	46
1/15/2009 14:00	-5	2.2	4.9	343	6.9	44.4	49
1/15/2009 15:00	2	1.6	3.6	353	6.9	44.4	48
1/15/2009 16:00	2	1.4	3.1	8	6.8	44.2	52
1/15/2009 17:00	3	1.4	3.1	328	4.9	40.8	59
1/15/2009 18:00	-5	1.0	2.2	308	0.5	32.9	73
1/15/2009 19:00	8	0.7	1.6	128	-1.6	29.1	82
1/15/2009 20:00	14	0.7	1.6	196	-2.0	28.4	84

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
1/15/2009 21:00	-3	0.5	1.1	135	-2.9	26.8	88
1/15/2009 22:00	-5	0.5	1.1	242	-4.3	24.3	89
1/15/2009 23:00	0	0.7	1.6	122	-4.2	24.4	88
1/16/2009 0:00	10	0.7	1.6	178	-5.1	22.8	88
1/16/2009 1:00	-1	0.5	1.1	175	-4.6	23.7	88
1/16/2009 2:00	-5	0.5	1.1	155	-5.6	21.9	88
1/16/2009 3:00	13	0.7	1.6	144	-4.2	24.4	86
1/16/2009 4:00	6	1.4	3.1	216	-3.1	26.4	83
1/16/2009 5:00	-5	1.5	3.4	201	-2.7	27.1	80
1/16/2009 6:00	-5	0.7	1.6	226	-5.1	22.8	84
1/16/2009 7:00	-5	0.8	1.8	331	-6.6	20.1	87
1/16/2009 8:00	10	1.0	2.2	259	-5.3	22.5	82
1/16/2009 9:00	-5	1.0	2.2	304	-5.7	21.7	82
1/16/2009 10:00	8	1.7	3.8	193	-0.6	30.9	68
1/16/2009 11:00	2	1.6	3.6	14	0.2	32.4	73
1/16/2009 12:00	-3	1.6	3.6	14	0.5	32.9	73
1/16/2009 13:00	BA	1.1	2.5	16	3.1	37.6	59
1/16/2009 14:00	10	BA	BA	4.6	40.3	50	
1/16/2009 15:00	-4	1.7	3.8	345	4.6	40.3	52
1/16/2009 16:00	17	1.4	3.1	247	5.4	41.7	49
1/16/2009 17:00	10	1.0	2.2	358	5.3	41.5	49
1/16/2009 18:00	-5	1.1	2.5	306	2.0	35.6	62
1/16/2009 19:00	16	0.9	2.0	155	-0.2	31.6	72
1/16/2009 20:00	9	1.1	2.5	151	-0.9	30.4	77
1/16/2009 21:00	5	0.9	2.0	150	-1.5	29.3	76
1/16/2009 22:00	5	0.6	1.3	192	-3.0	26.6	84
1/16/2009 23:00	5	0.6	1.3	279	-4.1	24.6	83
1/17/2009 0:00	3	1.0	2.2	151	-5.0	23.0	84
1/17/2009 1:00	12	1.0	2.2	148	-4.6	23.7	80
1/17/2009 2:00	9	1.7	3.8	189	-3.5	25.7	75
1/17/2009 3:00	0	0.9	2.0	172	-4.9	23.2	77
1/17/2009 4:00	4	1.1	2.5	286	-5.0	23.0	75
1/17/2009 5:00	13	0.8	1.8	247	-6.8	19.8	80
1/17/2009 6:00	-1	0.8	1.8	160	-7.9	17.8	84
1/17/2009 7:00	-5	0.7	1.6	270	-8.6	16.5	83
1/17/2009 8:00	9	0.8	1.8	145	-7.8	18.0	82
1/17/2009 9:00	-5	1.0	2.2	170	-7.6	18.3	79
1/17/2009 10:00	8	1.5	3.4	183	-3.6	25.5	67
1/17/2009 11:00	2	2.1	4.7	186	-0.6	30.9	59
1/17/2009 12:00	4	1.5	3.4	144	1.8	35.2	49
1/17/2009 13:00	12	1.3	2.9	22	2.4	36.3	52
1/17/2009 14:00	-4	1.0	2.2	30	3.4	38.1	46
1/17/2009 15:00	6	0.9	2.0	354	4.4	39.9	42
1/17/2009 16:00	6	0.9	2.0	16	5.2	41.4	40
1/17/2009 17:00	0	0.9	2.0	9	3.7	38.7	45
1/17/2009 18:00	-5	0.6	1.3	317	-1.2	29.8	66
1/17/2009 19:00	12	0.8	1.8	276	-5.4	22.3	83
1/17/2009 20:00	-3	0.6	1.3	250	-5.6	21.9	86
1/17/2009 21:00	6	0.5	1.1	134	-6.3	20.7	87
1/17/2009 22:00	16	1.1	2.5	190	-5.7	21.7	86
1/17/2009 23:00	6	1.0	2.2	137	-5.8	21.6	83
1/18/2009 0:00	11	1.0	2.2	186	-5.8	21.6	79
1/18/2009 1:00	4	0.6	1.3	8	-8.3	17.1	83
1/18/2009 2:00	-5	0.8	1.8	282	-9.0	15.8	84
1/18/2009 3:00	15	0.7	1.6	115	-8.6	16.5	84
1/18/2009 4:00	-5	0.5	1.1	115	-9.2	15.4	85
1/18/2009 5:00	14	0.7	1.6	193	-9.6	14.7	84
1/18/2009 6:00	6	0.9	2.0	165	-10.1	13.8	82
1/18/2009 7:00	7	0.7	1.6	245	-10.9	12.4	81
1/18/2009 8:00	4	0.7	1.6	113	-10.1	13.8	82
1/18/2009 9:00	1	0.7	1.6	9	-10.7	12.7	80
1/18/2009 10:00	0	0.8	1.8	193	-6.9	19.6	74
1/18/2009 11:00	5	0.8	1.8	70	-3.9	25.0	65
1/18/2009 12:00	8	0.8	1.8	54	-1.3	29.7	58
1/18/2009 13:00	11	1.0	2.2	30	-0.1	31.8	54
1/18/2009 14:00	2	1.5	3.4	10	1.2	34.2	53
1/18/2009 15:00	15	1.0	2.2	43	2.3	36.1	47
1/18/2009 16:00	16	0.7	1.6	77	3.3	37.9	45
1/18/2009 17:00	-1	0.7	1.6	352	2.2	36.0	48
1/18/2009 18:00	-2	0.5	1.1	327	-2.1	28.2	67
1/18/2009 19:00	18	0.5	1.1	271	-5.3	22.5	79
1/18/2009 20:00	9	0.3	0.7	245	-6.3	20.7	86
1/18/2009 21:00	14	0.5	1.1	233	-7.8	18.0	86
1/18/2009 22:00	-1	0.4	0.9	148	-8.1	17.4	87
1/18/2009 23:00	33	0.6	1.3	165	-8.4	16.9	85
1/19/2009 0:00	17	0.6	1.3	119	-8.4	16.9	85
1/19/2009 1:00	2	0.5	1.1	2	-9.1	15.6	84
1/19/2009 2:00	14	0.4	0.9	138	-9.8	14.4	84
1/19/2009 3:00	8	0.4	0.9	266	-11.1	12.0	82
1/19/2009 4:00	4	0.5	1.1	160	-10.9	12.4	83
1/19/2009 5:00	21	0.7	1.6	150	-10.5	13.1	82
1/19/2009 6:00	1	0.5	1.1	95	-11.1	12.0	81
1/19/2009 7:00	18	0.3	0.7	44	-12.1	10.2	81
1/19/2009 8:00	8	0.4	0.9	23	-12.7	9.1	81
1/19/2009 9:00	-5	0.4	0.9	336	-11.6	11.1	81
1/19/2009 10:00	16	0.4	0.9	10	-8.1	17.4	78
1/19/2009 11:00	20	0.5	1.1	13	-5.3	22.5	74
1/19/2009 12:00	6	0.9	2.0	151	-2.7	27.1	61
1/19/2009 13:00	5	0.9	2.0	99	-0.5	31.1	50
1/19/2009 14:00	6	1.0	2.2	44	1.3	34.3	48

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
1/19/2009 15:00	3	1.0	2.2	19	2.2	36.0	45
1/19/2009 16:00	9	1.1	2.5	15	2.8	37.0	46
1/19/2009 17:00	-1	0.8	1.8	7	1.8	35.2	49
1/19/2009 18:00	-3	0.5	1.1	317	-2.4	27.7	68
1/19/2009 19:00	22	0.9	2.0	259	-6.7	19.9	81
1/19/2009 20:00	1	0.7	1.6	225	-7.8	18.0	84
1/19/2009 21:00	14	0.4	0.9	157	-8.4	16.9	87
1/19/2009 22:00	10	0.4	0.9	274	-8.7	16.3	85
1/19/2009 23:00	25	0.4	0.9	258	-10.0	14.0	84
1/20/2009 0:00	-5	0.7	1.6	256	-10.6	12.9	83
1/20/2009 1:00	17	0.5	1.1	177	-11.1	12.0	82
1/20/2009 2:00	8	0.7	1.6	133	-10.4	13.3	82
1/20/2009 3:00	-5	0.6	1.3	56	-11.5	11.3	81
1/20/2009 4:00	13	0.6	1.3	349	-12.1	10.2	81
1/20/2009 5:00	10	0.4	0.9	100	-12.8	9.0	80
1/20/2009 6:00	-5	0.6	1.3	337	-13.2	8.2	80
1/20/2009 7:00	36	0.6	1.3	357	-11.9	10.6	81
1/20/2009 8:00	38	0.4	0.9	302	-13.3	8.1	79
1/20/2009 9:00	-5	0.3	0.7	115	-13.2	8.2	80
1/20/2009 10:00	37	0.3	0.7	4	-9.4	15.1	81
1/20/2009 11:00	9	0.6	1.3	18	-6.9	19.6	80
1/20/2009 12:00	9	1.0	2.2	12	-4.6	23.7	74
1/20/2009 13:00	5	1.1	2.5	20	-1.7	28.9	57
1/20/2009 14:00	9	1.2	2.7	9	1.2	34.2	45
1/20/2009 15:00	14	0.9	2.0	29	2.8	37.0	40
1/20/2009 16:00	20	1.0	2.2	24	4.0	39.2	39
1/20/2009 17:00	24	0.7	1.6	12	3.1	37.6	40
1/20/2009 18:00	1	0.7	1.6	1	-1.6	29.1	59
1/20/2009 19:00	28	0.6	1.3	268	-6.6	20.1	77
1/20/2009 20:00	12	0.7	1.6	183	-6.4	20.5	80
1/20/2009 21:00	9	0.9	2.0	180	-6.6	20.1	80
1/20/2009 22:00	17	0.7	1.6	16	-8.1	17.4	83
1/20/2009 23:00	24	0.5	1.1	293	-9.8	14.4	85
1/21/2009 0:00	10	0.5	1.1	212	-10.0	14.0	85
1/21/2009 1:00	24	0.5	1.1	340	-10.3	13.5	83
1/21/2009 2:00	8	0.7	1.6	343	-10.4	13.3	82
1/21/2009 3:00	15	0.5	1.1	140	-10.6	12.9	82
1/21/2009 4:00	18	0.5	1.1	161	-10.3	13.5	82
1/21/2009 5:00	22	0.4	0.9	162	-10.2	13.6	82
1/21/2009 6:00	4	0.5	1.1	8	-10.4	13.3	82
1/21/2009 7:00	16	0.4	0.9	308	-10.3	13.5	82
1/21/2009 8:00	5	0.6	1.3	293	-11.5	11.3	81
1/21/2009 9:00	5	0.4	0.9	54	-10.8	12.6	82
1/21/2009 10:00	9	0.6	1.3	2	-7.5	18.5	79
1/21/2009 11:00	-5	0.7	1.6	25	-4.1	24.6	70
1/21/2009 12:00	27	1.3	2.9	18	-0.7	30.7	55
1/21/2009 13:00	14	1.7	3.8	13	0.5	32.9	50
1/21/2009 14:00	15	1.5	3.4	10	2.1	35.8	46
1/21/2009 15:00	14	1.5	3.4	8	3.7	38.7	41
1/21/2009 16:00	10	1.3	2.9	7	4.3	39.7	38
1/21/2009 17:00	17	0.6	1.3	15	3.4	38.1	40
1/21/2009 18:00	-1	0.7	1.6	311	-1.2	29.8	57
1/21/2009 19:00	13	0.6	1.3	272	-4.4	24.1	72
1/21/2009 20:00	18	0.6	1.3	164	-5.5	22.1	77
1/21/2009 21:00	9	0.7	1.6	162	-5.4	22.3	82
1/21/2009 22:00	37	0.6	1.3	19	-6.3	20.7	83
1/21/2009 23:00	-5	0.7	1.6	305	-8.2	17.2	84
1/22/2009 0:00	14	0.6	1.3	165	-7.4	18.7	84
1/22/2009 1:00	23	0.7	1.6	182	-6.7	19.9	83
1/22/2009 2:00	8	0.9	2.0	356	-5.0	23.0	77
1/22/2009 3:00	19	1.1	2.5	9	-6.2	20.8	79
1/22/2009 4:00	15	0.8	1.8	252	-7.2	19.0	80
1/22/2009 5:00	2	1.2	2.7	328	-4.8	23.4	73
1/22/2009 6:00	11	1.3	2.9	12	-5.6	21.9	78
1/22/2009 7:00	-5	1.0	2.2	26	-5.5	22.1	77
1/22/2009 8:00	22	1.0	2.2	273	-5.0	23.0	77
1/22/2009 9:00	-1	1.1	2.5	123	-3.7	25.3	75
1/22/2009 10:00	-2	0.9	2.0	96	0.1	32.2	57
1/22/2009 11:00	1	1.0	2.2	105	2.8	37.0	45
1/22/2009 12:00	5	1.2	2.7	14	-0.4	31.3	61
1/22/2009 13:00	19	1.2	2.7	14	0.7	33.3	58
1/22/2009 14:00	4	0.7	1.6	36	0.7	33.3	67
1/22/2009 15:00	12	0.9	2.0	240	1.7	35.1	71
1/22/2009 16:00	-2	2.6	5.8	195	2.2	36.0	71
1/22/2009 17:00	10	2.0	4.5	189	3.4	38.1	67
1/22/2009 18:00	7	1.2	2.7	306	1.3	34.3	78
1/22/2009 19:00	12	0.8	1.8	324	-2.0	28.4	86
1/22/2009 20:00	98	1.0	2.2	11	-2.6	27.3	90
1/22/2009 21:00	11	1.4	3.1	19	-3.8	25.2	84
1/22/2009 22:00	11	1.2	2.7	29	-4.5	23.9	77
1/22/2009 23:00	4	1.6	3.6	19	-6.1	21.0	73
1/23/2009 0:00	17	2.0	4.5	24	-7.7	18.1	70
1/23/2009 1:00	-5	1.9	4.3	10	-9.3	15.3	68
1/23/2009 2:00	14	1.8	4.0	13	-10.9	12.4	68
1/23/2009 3:00	5	1.7	3.8	20	-12.1	10.2	67
1/23/2009 4:00	2	1.6	3.6	18	-12.9	8.8	67
1/23/2009 5:00	16	1.6	3.6	21	-13.5	7.7	66
1/23/2009 6:00	-5	1.5	3.4	23	-13.9	7.0	67
1/23/2009 7:00	28	1.2	2.7	23	-14.4	6.1	68
1/23/2009 8:00	2	1.2	2.7	27	-14.9	5.2	68

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
1/23/2009 9:00	20	1.0	2.2	15	-15.0	5.0	69
1/23/2009 10:00	2	1.0	2.2	23	-14.7	5.5	69
1/23/2009 11:00	-1	0.9	2.0	28	-14.1	6.6	67
1/23/2009 12:00	3	0.9	2.0	2	-13.2	8.2	66
1/23/2009 13:00	10	1.1	2.5	347	-12.3	9.9	66
1/23/2009 14:00	11	1.0	2.2	31	-11.2	11.8	64
1/23/2009 15:00	20	0.9	2.0	73	-10.0	14.0	62
1/23/2009 16:00	5	0.9	2.0	343	-9.0	15.8	60
1/23/2009 17:00	22	1.0	2.2	3	-8.7	16.3	59
1/23/2009 18:00	-2	1.0	2.2	336	-11.8	10.8	72
1/23/2009 19:00	27	0.3	0.7	28	-13.4	7.9	77
1/23/2009 20:00	0	0.6	1.3	265	-14.0	6.8	79
1/23/2009 21:00	13	0.3	0.7	70	-13.7	7.3	80
1/23/2009 22:00	18	0.3	0.7	74	-14	6.8	80
1/23/2009 23:00	12	0.3	0.7	102	-13.5	7.7	80
1/24/2009 0:00	14	0.3	0.7	62	-13.2	8.2	78
1/24/2009 1:00	15	0.3	0.7	42	-13.9	7.0	79
1/24/2009 2:00	11	0.5	1.1	332	-14.5	5.9	79
1/24/2009 3:00	10	0.4	0.9	12	-14.2	6.4	78
1/24/2009 4:00	9	0.3	0.7	293	-14.2	6.4	78
1/24/2009 5:00	17	0.4	0.9	266	-13.8	7.2	78
1/24/2009 6:00	5	0.4	0.9	33	-13.3	8.1	78
1/24/2009 7:00	21	0.8	1.8	0	-13.3	8.1	79
1/24/2009 8:00	16	0.7	1.6	12	-13.4	7.9	79
1/24/2009 9:00	13	0.6	1.3	342	-13.1	8.4	79
1/24/2009 10:00	0	0.5	1.1	352	-12.1	10.2	77
1/24/2009 11:00	14	0.7	1.6	49	-10.2	13.6	73
1/24/2009 12:00	7	0.8	1.8	73	-9.5	14.9	70
1/24/2009 13:00	-5	1.0	2.2	33	-8.5	16.7	68
1/24/2009 14:00	26	1.4	3.1	3	-7.6	18.3	67
1/24/2009 15:00	10	1.4	3.1	4	-7.7	18.1	64
1/24/2009 16:00	2	1.3	2.9	6	-7.5	18.5	62
1/24/2009 17:00	24	1.4	3.1	5	-8.9	16.0	68
1/24/2009 18:00	13	1.4	3.1	18	-10.7	12.7	74
1/24/2009 19:00	26	1.4	3.1	16	-12.0	10.4	76
1/24/2009 20:00	21	1.4	3.1	12	-12.9	8.8	76
1/24/2009 21:00	102	1.4	3.1	16	-13.9	7.0	75
1/24/2009 22:00	81	1.6	3.6	14	-15.2	4.6	74
1/24/2009 23:00	216	1.6	3.6	13	-16	3.2	73
1/25/2009 0:00	107	1.6	3.6	19	-16.7	1.9	73
1/25/2009 1:00	88	1.5	3.4	16	-17.4	0.7	72
1/25/2009 2:00	34	1.5	3.4	16	-17.7	0.1	72
1/25/2009 3:00	46	1.4	3.1	19	-18.1	-0.6	72
1/25/2009 4:00	18	1.3	2.9	22	-18.5	-1.3	71
1/25/2009 5:00	49	1.3	2.9	24	-18.9	-2.0	70
1/25/2009 6:00	8	1.3	2.9	25	-19.2	-2.6	69
1/25/2009 7:00	33	1.3	2.9	24	-19.1	-2.4	68
1/25/2009 8:00	10	1.1	2.5	23	-19.0	-2.2	68
1/25/2009 9:00	5	0.9	2.0	29	-18.8	-1.8	67
1/25/2009 10:00	-4	0.9	2.0	41	-18.0	-0.4	64
1/25/2009 11:00	-4	1.0	2.2	21	-16.7	1.9	60
1/25/2009 12:00	24	1.6	3.6	13	-15.3	4.5	55
1/25/2009 13:00	13	1.4	3.1	357	-15.5	4.1	58
1/25/2009 14:00	0	1.5	3.4	9	-14.8	5.4	58
1/25/2009 15:00	0	2.0	4.5	358	-14.1	6.6	55
1/25/2009 16:00	4	2.5	5.6	358	-13.8	7.2	53
1/25/2009 17:00	1	2.3	5.1	356	-14.5	5.9	51
1/25/2009 18:00	-3	1.8	4.0	3	-16.3	2.7	49
1/25/2009 19:00	10	0.5	1.1	59	-18.1	-0.6	48
1/25/2009 20:00	4	0.5	1.1	88	-19.2	-2.6	47
1/25/2009 21:00	-4	0.8	1.8	149	-22.6	-8.7	62
1/25/2009 22:00	10	0.8	1.8	155	-22.5	-8.5	62
1/25/2009 23:00	3	0.7	1.6	227	-23.4	-10.1	64
1/26/2009 0:00	-2	1.1	2.5	163	-22.5	-8.5	62
1/26/2009 1:00	4	0.8	1.8	178	-23.5	-10.3	64
1/26/2009 2:00	-2	1.0	2.2	149	-24.6	-12.3	64
1/26/2009 3:00	-4	0.5	1.1	194	-25.6	-14.1	66
1/26/2009 4:00	-1	0.5	1.1	180	-26.2	-15.2	67
1/26/2009 5:00	2	0.3	0.7	156	-26.2	-15.2	68
1/26/2009 6:00	5	0.7	1.6	152	-26.2	-15.2	66
1/26/2009 7:00	3	0.5	1.1	164	-26.2	-15.2	66
1/26/2009 8:00	-2	0.4	0.9	141	-26.2	-15.2	66
1/26/2009 9:00	-5	0.9	2.0	144	-26.2	-15.2	63
1/26/2009 10:00	-5	1.4	3.1	181	-22.1	-7.8	54
1/26/2009 11:00	1	1.7	3.8	189	-18.4	-1.1	44
1/26/2009 12:00	-5	1.0	2.2	177	-15.4	4.3	34
1/26/2009 13:00	-5	1.1	2.5	79	-14.2	6.4	32
1/26/2009 14:00	-5	1.0	2.2	28	-13.1	8.4	31
1/26/2009 15:00	-5	1.1	2.5	3	-13.3	8.1	32
1/26/2009 16:00	7	1.1	2.5	4	-12.9	8.8	37
1/26/2009 17:00	-5	1.1	2.5	349	-13.8	7.2	38
1/26/2009 18:00	4	0.7	1.6	310	-17.4	0.7	54
1/26/2009 19:00	3	1.2	2.7	217	-22.4	-8.3	63
1/26/2009 20:00	19	1.5	3.4	180	-22.8	-9.0	63
1/26/2009 21:00	-5	1.1	2.5	157	-23.1	-9.6	64
1/26/2009 22:00	2	1.3	2.9	153	-22.5	-8.5	63
1/26/2009 23:00	9	0.6	1.3	175	-24.0	-11.2	66
1/27/2009 0:00	3	0.5	1.1	139	-25.3	-13.5	70
1/27/2009 1:00	13	0.5	1.1	64	-25.4	-13.7	69
1/27/2009 2:00	-3	0.5	1.1	223	-25.6	-14.1	69

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
1/27/2009 3:00	9	0.4	0.9	99	-25.8	-14.4	69
1/27/2009 4:00	12	0.4	0.9	1	-25.7	-14.3	68
1/27/2009 5:00	-5	0.4	0.9	163	-26.0	-14.8	67
1/27/2009 6:00	-5	0.5	1.1	258	-26.0	-14.8	67
1/27/2009 7:00	-3	0.5	1.1	42	-24.5	-12.1	68
1/27/2009 8:00	-1	0.6	1.3	22	-21.4	-6.5	70
1/27/2009 9:00	-3	0.8	1.8	94	-20.4	-4.7	70
1/27/2009 10:00	-1	1.0	2.2	39	-18.6	-1.5	66
1/27/2009 11:00	-5	1.6	3.6	144	-14.0	6.8	52
1/27/2009 12:00	-5	3.6	8.1	189	-8.1	17.4	37
1/27/2009 13:00	24	5.5	12.3	197	-5.8	21.6	40
1/27/2009 14:00	-5	4.8	10.7	180	-3.3	26.1	41
1/27/2009 15:00	-4	4.6	10.3	168	-1.5	29.3	38
1/27/2009 16:00	1	2.3	5.1	336	-6.1	21.0	48
1/27/2009 17:00	15	1.8	4.0	6	-7.2	19.0	54
1/27/2009 18:00	94	4.7	10.5	198	-3.4	25.9	59
1/27/2009 19:00	36	3.4	7.6	200	-3.5	25.7	61
1/27/2009 20:00	25	2.7	6.0	207	-3.8	25.2	62
1/27/2009 21:00	29	3.2	7.2	195	-3.8	25.2	62
1/27/2009 22:00	32	2.9	6.5	192	-3.6	25.5	63
1/27/2009 23:00	19	3.2	7.2	210	-3.3	26.1	64
1/28/2009 0:00	15	2.2	4.9	219	-2.7	27.1	71
1/28/2009 1:00	-5	2.4	5.4	237	-2.8	27.0	75
1/28/2009 2:00	5	1.6	3.6	299	-2.8	27.0	73
1/28/2009 3:00	-5	1.0	2.2	196	-5.3	22.5	78
1/28/2009 4:00	-5	0.8	1.8	335	-4.2	24.4	74
1/28/2009 5:00	17	1.3	2.9	185	-4.2	24.4	75
1/28/2009 6:00	-5	2.3	5.1	235	-3.4	25.9	72
1/28/2009 7:00	2	2.5	5.6	231	-2.3	27.9	67
1/28/2009 8:00	3	1.7	3.8	216	-2.6	27.3	66
1/28/2009 9:00	-3	2.2	4.9	228	-2.2	28.0	64
1/28/2009 10:00	-5	3.2	7.2	239	-1.3	29.7	63
1/28/2009 11:00	0	3.4	7.6	239	-0.8	30.6	60
1/28/2009 12:00	-3	3.9	8.7	238	-0.4	31.3	60
1/28/2009 13:00	1	4.1	9.2	248	0.5	32.9	56
1/28/2009 14:00	-2	3.6	8.1	262	0.8	33.4	50
1/28/2009 15:00	-1	2.7	6.0	258	0.9	33.6	47
1/28/2009 16:00	0	3.4	7.6	282	1.1	34.0	47
1/28/2009 17:00	-5	2.2	4.9	238	-0.5	31.1	55
1/28/2009 18:00	-5	1.5	3.4	206	-1.5	29.3	60
1/28/2009 19:00	5	3.4	7.6	293	-2.0	28.4	52
1/28/2009 20:00	-5	1.4	3.1	233	-2.5	27.5	55
1/28/2009 21:00	5	2.1	4.7	227	-2.5	27.5	62
1/28/2009 22:00	-3	2.0	4.5	226	-2.5	27.5	63
1/28/2009 23:00	6	2.2	4.9	227	-2.3	27.9	62
1/29/2009 0:00	2	2.8	6.3	257	-2.4	27.7	62
1/29/2009 1:00	-5	1.4	3.1	247	-2.9	26.8	62
1/29/2009 2:00	0	0.9	2.0	145	-3.3	26.1	62
1/29/2009 3:00	-1	2.2	4.9	229	-1.9	28.6	56
1/29/2009 4:00	-5	2.5	5.6	244	-1.9	28.6	55
1/29/2009 5:00	-5	2.8	6.3	246	-2.2	28.0	57
1/29/2009 6:00	4	3.4	7.6	235	-2.2	28.0	56
1/29/2009 7:00	-5	5.4	12.1	242	-2.2	28.0	55
1/29/2009 8:00	1	5.8	13.0	240	-1.9	28.6	55
1/29/2009 9:00	-5	5.4	12.1	233	-1.2	29.8	53
1/29/2009 10:00	2	5.3	11.9	240	-0.6	30.9	54
1/29/2009 11:00	-5	3.6	8.1	224	0.1	32.2	53
1/29/2009 12:00	-5	4.4	9.8	260	1.3	34.3	53
1/29/2009 13:00	-5	3.4	7.6	276	1.6	34.9	53
1/29/2009 14:00	3	1.9	4.3	317	1.8	35.2	54
1/29/2009 15:00	1	1.3	2.9	355	2.6	36.7	52
1/29/2009 16:00	-3	1.0	2.2	1	2.0	35.6	55
1/29/2009 17:00	6	1.8	4.0	117	3.4	38.1	52
1/29/2009 18:00	-5	1.2	2.7	51	2.5	36.5	57
1/29/2009 19:00	-5	2.0	4.5	322	-0.5	31.1	69
1/29/2009 20:00	2	1.6	3.6	339	-1.1	30.0	70
1/29/2009 21:00	13	1.0	2.2	297	-3.0	26.6	74
1/29/2009 22:00	-5	0.8	1.8	5	-4.7	23.5	81
1/29/2009 23:00	-5	0.9	2.0	215	-4.7	23.5	81
1/30/2009 0:00	6	1.7	3.8	297	-4.0	24.8	78
1/30/2009 1:00	-5	0.8	1.8	156	-5.8	21.6	82
1/30/2009 2:00	9	1.0	2.2	281	-6.1	21.0	82
1/30/2009 3:00	-5	0.5	1.1	213	-7.2	19.0	86
1/30/2009 4:00	-1	0.5	1.1	123	-7.7	18.1	86
1/30/2009 5:00	10	0.8	1.8	135	-7.9	17.8	85
1/30/2009 6:00	-5	0.8	1.8	330	-8.2	17.2	84
1/30/2009 7:00	-5	0.9	2.0	316	-8.4	16.9	84
1/30/2009 8:00	17	1.3	2.9	346	-6.4	20.5	83
1/30/2009 9:00	-4	2.9	6.5	220	-2.8	27.0	73
1/30/2009 10:00	0	3.1	6.9	169	-1.5	29.3	66
1/30/2009 11:00	-2	3.4	7.6	165	0.8	33.4	60
1/30/2009 12:00	2	3.8	8.5	178	3.2	37.8	50
1/30/2009 13:00	16	4.9	11.0	193	5.0	41.0	42
1/30/2009 14:00	-1	4.3	9.6	187	6.2	43.2	38
1/30/2009 15:00	-5	4.3	9.6	183	7.8	46.0	33
1/30/2009 16:00	-5	3.7	8.3	155	7.7	45.9	35
1/30/2009 17:00	7	3.9	8.7	181	7.3	45.1	32
1/30/2009 18:00	-3	4.3	9.6	180	5.6	42.1	36
1/30/2009 19:00	1	4.6	10.3	185	4.9	40.8	37
1/30/2009 20:00	-1	4.4	9.8	172	4.3	39.7	39
1/30/2009 21:00	-1	4.8	10.7	166	3.7	38.7	40

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
1/30/2009 22:00	2	4.6	10.3	163	3.7	38.7	38
1/30/2009 23:00	28	5.5	12.3	169	4.4	39.9	35
1/31/2009 0:00	11	5.0	11.2	174	3.8	38.8	35
1/31/2009 1:00	54	5.3	11.9	189	3.0	37.4	39
1/31/2009 2:00	13	6.4	14.3	208	3.1	37.6	37
1/31/2009 3:00	120	7.8	17.4	212	3.3	37.9	36
1/31/2009 4:00	84	7.2	16.1	212	3.3	37.9	36
1/31/2009 5:00	12	4.5	10.1	236	4.1	39.4	35
1/31/2009 6:00	11	6.9	15.4	258	4.2	39.6	38
1/31/2009 7:00	-3	5.8	13.0	259	3.5	38.3	42
1/31/2009 8:00	4	5.2	11.6	257	2.8	37.0	45
1/31/2009 9:00	-3	5.4	12.1	254	2.5	36.5	45
1/31/2009 10:00	-1	5.9	13.2	245	2.4	36.3	46
1/31/2009 11:00	0	7.1	15.9	253	3.7	38.7	40
1/31/2009 12:00	0	6.3	14.1	260	4.0	39.2	37
1/31/2009 13:00	6	5.1	11.4	255	4.5	40.1	35
1/31/2009 14:00	2	5.4	12.1	257	4.7	40.5	33
1/31/2009 15:00	4	8.5	19.0	270	3.5	38.3	29
1/31/2009 16:00	4	8.5	19.0	276	2.8	37.0	29
1/31/2009 17:00	0	6.7	15.0	287	2.0	35.6	29
1/31/2009 18:00	1	2.3	5.1	354	0.1	32.2	34
1/31/2009 19:00	-5	1.2	2.7	63	-1.8	28.8	41
1/31/2009 20:00	6	1.9	4.3	220	-2.1	28.2	41
1/31/2009 21:00	-1	5.0	11.2	215	-1.7	28.9	38
1/31/2009 22:00	-5	6.5	14.5	241	-2.2	28.0	38
1/31/2009 23:00	0	5.4	12.1	255	-3.0	26.6	40
2/1/2009 0:00	-5	4.6	10.3	270	-3.6	25.5	42

AO = Bad Weather

AV = Power outage

BA = Routine maintenance / repairs